imagine the possibilities

Digital Video Security Systems

2007 GENERAL CATALOG

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SAMSUNG ELECTRONICS | gvi

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Warranty / Terms And Conditions

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CAMERAS

Day/Night Function

Night

Day

The Day Night function allows the camera to achieve high performance even in low light conditions. The camera automatically switches from color mode to black/white mode according to the light conditions to ensure the best picture quality and thus allows consistent surveillance under any light conditions.

Wide Dynamic Range Function

Normal

WDR

The Wide Dynamic Range function is a technology that makes monitoring possible even inside a building, when an illumination difference between the inside and the outside exists.

Digital Image Stabilization Function

DIS On

DIS Off

The Digital Image Stabilization function provides a clear image by compensating for the blurriness caused by camera instability.

Privacy Zone Set Up Function

Mosaic Privacy Zone

Solid Privacy Zone

The Mosaic Privacy Function provides more intelligent ways to keep things from exposure. This feature makes images look naturally obscured so that the overall picture comes with a more refined finish and easy to watch.

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DIGITAL VIDEO RECORDERS

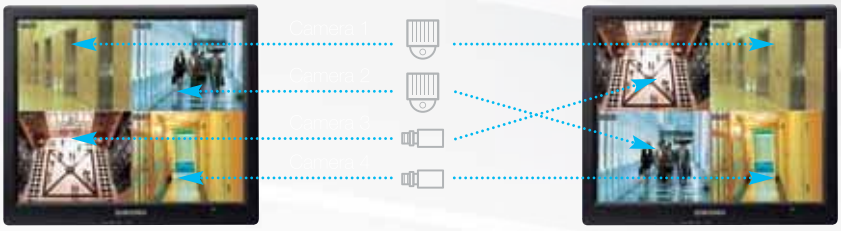
Motion Detection Function

Motion Detection Release

Motion Detection Setup

Movement can be detected in pre-determined areas by the DVR, which will automatically start recording. The sensitivity of the motion detector can be adjusted from low to high. High indicates high sensitivity resulting in a more prompt reaction to movement.

Various Display Modes



Conventional

Samsung DVR

Samsung Electronics SHR series DVRs provide a flexible image display. This advanced feature allows users to randomly select any camera for the main display and other cameras for the sub-displays.

Triplex (Monitoring/Recording/Playback)

Samsung Electronics SHR series DVRs provide live monitoring and playback while recording live images simultaneously.

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DIGITAL VIDEO RECORDERS

Monitoring Over an IP

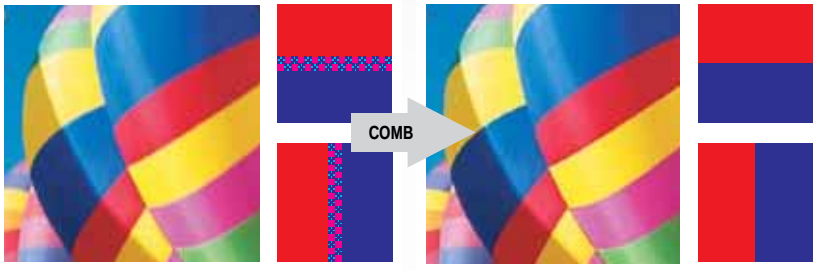
The Network 10/100 Base-T enables monitoring over an IP through various connections - DSL/Cable Network/ LAN (static/DHCP). The system supports both Samsung DDNS & public DDNS (Dynamic Domain Name Server).

Monitoring and Playback Through Smart Viewer

With the smart viewer, users can always monitor images from cameras connected to the DVR and even reach recorded imaged from a remote area. Monitoring images can also be backed up on the user's PC.

MONITORS

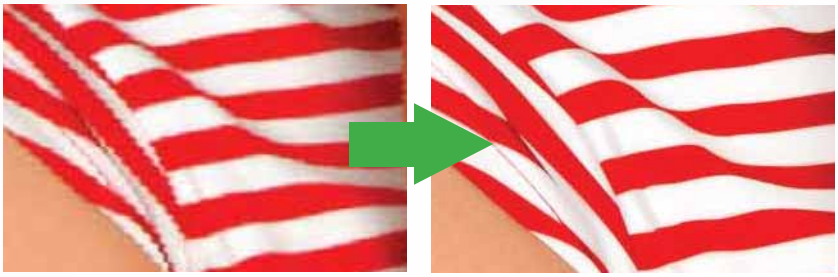
Comb Filter



Artifact Correct

The Comb filter separates the Y (black and white) and C (color) elements of a video signal reducing effects such as dot crawling. It also compares three consecutive horizontal scan lines within a single video frame and analyzes each frame in advance, ensuring the best possible picture.

De-Interlace Function



Interlace Progressive

A progressive scan (de-interlaced), draws a full frame and at the same time it takes interlaced mode to draw a single field, showing less flicker than an interlaced scan. It also significantly reduces the visibility of the individual scan lines. Samsung Electronics' de-interlace function converts an interlaced image into a progressive scan image to produce a vivid image.

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MONITORS

3D Noise Reduction

This noise manifests itself as tiny colored specs scattered all over the picture area

The new image is significantly enhanced and optimized by use of noise reduction

3D Noise Reduction removes the image noise from analog video signals and eliminates image flicker to produce a clear image.

2D Peaking Filter

Before 2D peaking

After 2D peaking

2D Peaking Filters enhance the sharpness of video images to provide outstanding image quality.

Tempered Glass

Tempered glass enhances the durabilty of the security monitor in demanding industrial environments.

Response Time

Conventional

SAMSUNG Reduced Dragging

Low Response Time eliminates image dragging and after-images on the monitor screen.

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CAMERA

Natural image, clear definition

Comparison Chart by Model

Box Type & Zoom Lens Camera

SCC-130B
SCC-131B
SCC-B2300 / SCC-B2391
SCC-B2305
SCC-C4301
SCC-C4307

Dome Camera

GV-MDC
SCC-B5300 / SCC-B5301
SCC-B5203(S)
SCC-B5351(G)
GV-VD7305
SCC-931T
SCC-C9302(F)

Bullet & IR Camera

GV-CLRIR
GV-BCC723
GV-BVF480
GV-BVF540IR
GV-VD550IR

SmartDome Camera & Accessory

SCC-641
SCC-C6403
SCC-C6407
SCC-C6475
SSC-1000
SSC-2000
SHG-120
SHG-220
SADT-100WM/101WM/102WM
SADT-100CM
SBR-100DCM
SADT-110CM
SADT-100PM

CAMERA Comparison Chart by Model

Box Type Camera

Models	SCC-130B	SCC-131B	SCC-B2300	SCC-B2391	SCC-B2305
Spec					
CCD	1/3" IT Super HAD CCD	1/3" IT Super HAD CCD	1/3" Super HAD CCD	1/3" Super HAD CCD	1/3" Super HAD CCD Progressive Scan
Resolution (H)	330 TVL	520 TVL	400 TVL (Color) / 420 TVL (B&W)	540 TVL (Color) / 570 TVL (B&W)	500 TVL (Color) / 530 TVL(B&W)
Min. Illumination	0.15 Lux (F1.2)	0.3 Lux (F1.2)	0.2 Color / 0.03 B&W Lux	0.3 Color / 0.06 B&W Lux	0.3 Color / 0.06 B&W Lux (F1.2)
Sync.	Line Lock	Line Lock	Line Lock	Line Lock	Line Lock
Voltage	12VDC / AC24V	12VDC / AC24V	12VDC / AC24V	12VDC / AC24V	12VDC / AC24V

Bullet IR Type Camera

Models	GV-CLRIR	GV-BCC723	GV-BVF480	GV-BVF540IR	GV-VD550IR
Spec					
CCD	1/4" SHARP CCD	1/3" Sony CCD	1/3" IT Super HAD CCD	1/3" IT Super HAD CCD	1/3" IT Super HAD CCD
Picture Elements	CCD	Sony CCD	Interline transfer type color CCD	Sony Super HAD CCD	Sony Interline Transfer Color CCD
Resolution (H)	380TVL	350TVL	480 TVL	More than 420 TVL	550TVL (Color) , 580TVL (B/W)
Min. Illumination	0 Lux, 1 lux IR OFF	0 Lux 20 meter 0.5 IR OFF	0.3 Lux	0 Lux, 0.5 Lux IR OFF	0 lux, 0.5 IR OFF
Lens	3.6 mm	4.0 mm	3.8~9.5mm Vari-Focal, Fixed Iris F1.3	3.8~9.5mm Vari-Focal, DC Auto Iris F1.2 D/N	3.8~9.5mm Vari-Focal, DC Auto Iris F1.2 D/N
Sync.	Internal	Internal	Internal	Internal	Internal
Voltage	12Vdc	12Vdc	12Vdc	12Vdc / AC24V	12Vdc / AC24V

Motorized Zoom Lens Camera

Models	SCC-C4301	SCC-C4307	SCC-931T	SCC-C9302(F)
Spec				
CCD	1/4" IT Super HAD CCD	1/4" Ex-View HAD CCD	1/4" IT Super HAD CCD	1/4" IT Super HAD CCD
Resolution(H)	480 TVL	480 TVL	480 TVL	480 TVL
Min. Illumination	0.02 Lux	0.02 Color / 0.07 B&W Lux	1 Lux	0.2 Color / 0.02 B&W Lux
Lens	3.6-79.2mm Zoom	3.55-113mm Zoom	3.6-43.2mm Varifocal	3.6-43.2mm Varifocal
Sync.	Internal / Line Lock	Internal / Line Lock	Internal / Line Lock	Internal / Line Lock
Voltage	12VDC / AC24V	12VDC / AC24V	12VDC / AC24V	12VDC / AC24V

Fixed Dome Camera

Models	GV-MDC	SCC-B5300	SCC-B5301	SCC-B5203(S)	SCC-B5351(G)	GV-VD7305
Spec						
CCD	1/4" SHARP CCD	1/3" IT Super HAD CCD	1/3" Super HAD CCD	1/3" Super HAD CCD	1/3" IT Super HAD CCD	1/3" IT Super HAD CCD
Resolution (H)	380 TVL	330 TVL	480	520 TVL	480 TVL	550 Color / 580 B&W
Min. Illumination	1 Lux	0.3 Lux	0.5 Lux	0.3 Lux	0.3 Lux	0.5 Color / 0.03 B&W Lux
Lens	3.6 mm	3.8 mm	3.8 mm	3 mm	3.4 ~ 9mm Varifocal Autolris	2.9 ~ 10 mm DC Auto Iris
Sync.	Internal	Line Lock	Line Lock	Internal	Internal / Line Lock	Internal
Voltage	12VDC	12VDC / AC24V	12VDC / AC24V	12VDC / AC24V	12VDC / AC24V	12VDC / AC24V

SmartDome Camera

Models	SCC-641	SCC-C6403	SCC-C6407	SCC-C6475
Spec				
CCD	1/4" IT Super HAD CCD	1/4" IT Super HAD CCD	1/4" Ex-View HAD CCD	1/4" Ex-View HAD CCD
Resolution (H)	480 TVL	480 TVL	480 TVL	480 TVL
Min. Illumination	0.3 Lux	0.3 Color / 0.03 B&W Lux	0.2 Color / 0.07 B&W Lux	0.2 Color / 0.07 B&W Lux
Lens	3.9-79.2mm Varifocal	3.55-113mm Varifocal	3.55-113mm Varifocal	3.9-79.2mm Varifocal
Sync.	Internal / Line Lock	Internal / Line Lock	Internal / Line Lock	Internal / Line Lock
Voltage	AC 24V	AC 24V	AC 24V	AC 24V
Panning	360º	350º	360º	360º
Network	N/A	N/A	N/A	10/100 Base T

GV-VB-59SP

2 Wire Video Transceiver Over CAT5

The two wire video transceiver video balun is a surge protected tool-less terminal/BNC connector that enables you to transmit color images 2200 feet and B/W images 2500 feet over CAT5 cable. No screws or tools are required for installation.

SCC-130B

1/3” Standard, Color Digital Camera

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The SCC-130B general purpose color camera has been our top seller due to its low cost and high performance in all surveillance applications. With a low cost, the SCC-130B features a 1/3” IT Super HAD CCD imaging device at 330 lines of resolution and can be used with a variety of lenses and mounting accessories. The camera will operate in multiple lighting conditions due to the advanced DSP (Digital Signal Processing) and back light compensation circuitry that yields an illumination sensitivity of 0.15 lux. Features also include switchable programming for line lock, flicker prevention, auto white balance and electronic light control.

For convenience and flexibility the camera is dual voltage and also supports the use of DC and Video drive lenses. An added built-in ground isolation transformer to the camera will help prevent ground looping problems. The Samsung Electronics SCC series cameras are perfect imaging devices for all surveillance applications.

SCC-130B

1/3” Standard, Color Digital Camera

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e-mail: cml@segind.com.br

Features

- Standard Color Camera
- 1/3 Inch IT Super HAD CCD
- 330 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination 0.15 Lux (F1.2)
- BLC/AGC
- Flickerless
- Automatic White Balance
- Line-Lock Synchronization
- Accepts 2 types of Auto-Iris Lenses (DC/Video)
- Accepts CS/C lens mounts
- 12VDC/AC24V (60Hz)
- Built-In Ground Fault Isolation Transformer

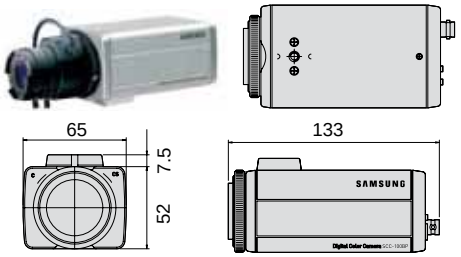
Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs
RECOMMENDED LENS
GV-2.9-8ADC, 1/3” 2.9-8mm, Vari-Focal Day/Night, DC Auto Iris
GV-3.5-8ADC, 1/3” 3.5-8mm, Vari-Focal, DC Auto Iris
GV-5-100ADC, 1/2”, 1/3”, 5-100mm, Vari-Focal, DC Auto Iris
RECOMMENDED MOUNTS
GV-IDWMBG; 6.25” indoor mount
GV-IDWMBG-5; 4.25” indoor mount
RECOMMENDED HOUSING OPTIONS
GV-HOU3512, IP66 rate, indoor/outdoor housing
GV-HOU3512HB, IP66 rate, indoor/outdoor housing w/ Heater & Blower

Rear Panel

SCC-130B

Dimensions (unit : mm)



SCC-130B

Specifications

Camera Type	Color	Standard Digital Camera
Image	Device	IT Super HAD CCD
	Size	1/3“
	Pixels- Total	510 x 492
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.15 Lux (F1.2)
Electronic Shutter speed	ELC	1/60 – 1/120,000 sec
Functions	BLC	ON
	AGC	ON
	ELC	ON/OFF
	ALC	DC Iris lens/Video lens
	Line Lock	ON/OFF
	AWB	ON/OFF
	Flicker	ON/OFF
Lens	Mount	C/CS compatible
	Control	DC Iris, Video Iris
Resolution	Horizontal	330 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB (AGC OFF)
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	3W
	LED Indicator	Yes
Physical Specification	Dimensions (WxHxD)	2.65” x 2.05” x 5.24” / 65 x 52 x 133mm
	Weight	1lbs/450g
Certifications	UL, FCC	

SCC-131B

1/3” High Resolution, Color Digital Camera

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The SCC-131B high resolution color camera is designed to perform in conditions where high resolution and clear imaging is required. The SCC-131B features a 1/3” IT Super HAD CCD imaging device and can be used with a variety of lens and mounting accessories.

The camera will operate in multiple lighting conditions due to the backlight compensation circuitry that yields an illumination sensitivity of 0.3 lux. Features also include switch programming for line lock, flicker prevention, auto white balance and electronic light control.

The camera provides 520 TV lines of resolution with more than 50 dB signal to noise ratio to produce crystal clear images. For convenience and flexibility the camera is dual voltage and it also supports the use of DC and Video drive lenses. An added built-in ground isolation transformer to the camera will help prevent ground looping problems. The Samsung Electronics SCC series cameras are perfect imaging devices for a variety of surveillance applications.

SCC-131B

1/3” High Resolution, Color Digital Camera

Features

- High Resolution Color Camera
- 1/3 Inch IT Super HAD CCD
- 520 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination 0.3 Lux (F1.2)
- BLC/AGC
- Flickerless
- Automatic White Balance
- Line-Lock Synchronization
- Accepts 2 types of Auto-Iris Lenses (DC/Video)
- Accepts CS/C lens mounts
- 12VDC/AC24V (60Hz)
- Built-In Ground Fault Isolation Transformer

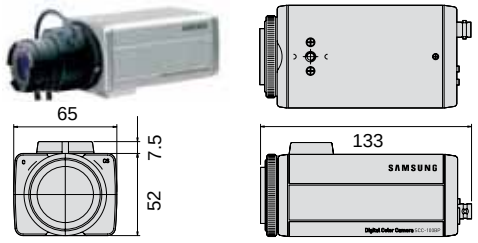
Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs
RECOMMENDED LENS
GV-2.8-12ADC, 1/3” 2.8-12mm, Vari-Focal, DC Auto Iris
GV-3.5-8ADC, 1/3” 3.5-8mm, Vari-Focal, DC Auto Iris
GV-5-100ADC, 1/2”, 1/3”, 5-100mm, Vari-Focal, DC Auto Iris
RECOMMENDED MOUNTS
GV-IDWMBG; 6.25” indoor mount
GV-IDWMBG-5; 4.25” indoor mount
RECOMMENDED HOUSING OPTIONS
GV-HOU3512, IP66 rate, indoor/outdoor housing
GV-HOU3512HB, IP66 rate, indoor/outdoor housing w/ Heater & Blower

Rear Panel

SCC-131B

Dimensions (unit : mm)



SCC-131B

Specifications

Camera Type	Color	High Resolution Digital Camera
Image	Device	IT Super HAD CCD
	Size	1/3“
	Pixels – Total	768 x 494
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.3 Lux (F1.2)
Electronic Shutter speed	ELC	1/60 – 1/120,000 sec
Functions	BLC	ON
	AGC	ON
	ELC	ON/OFF
	ALC	DC Iris Lens/Video lens
	Line Lock	ON/OFF
	AWB	ON/OFF
	Flicker	ON/OFF
Lens	Mount	C/CS Compatible
	Control	DC Iris, Video Iris
Resolution	Horizontal	520 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB (AGC OFF)
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	3W
	LED Indicator	Yes
Physical Specification	Dimensions (WxHxD)	2.65” x 2.05” x 5.24” / 65 x 52 x 133mm
	Weight	1lbs/450g
Certifications	UL, FCC	

SCC-B2300 / SCC-B2391

1/3" Day/Night, High Resolution, Color Digital Camera

The SCC-B2391 and SCC-B2300 color cameras use state-of-the-art 1/3" Sony Super HAD IT CCD's with 410,000 and 270,000 total pixels with a maximum resolution of 570 TV lines. The SCC-B2300 and SCC-B2391 cameras also contain a Day/Night function using an infrared cut filter to automatically switch from Color Mode during the day and B/W Mode at night, allowing 24 hour surveillance.

The day/night cameras support excellent CCD sensitivity, which allows optimum parking lot and interior building observation, even under extreme low light conditions. These cameras are easy to install and can be mounted from either the top or bottom. For convenience and flexibility the cameras operate on both 24VAC and 12VDC, with either a DC or video driven auto iris lens. Their mechanism is designed to accommodate any C/CS lens mount adaptor.

SCC-B2300 / SCC-B2391

1/3" Day/Night, High Resolution, Color Digital Camera

Features

- High Resolution Day/Night Camera
- SCC-B2391: 1/3" Super HAD CCD
- SCC-B2300: 1/3" Super HAD CCD
- TV Lines Resolution:
  SCC-B2391 - 540 Color/570 BW TV Lines Resolution
  SCC-B2300 - 400 Color/420 BW TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination:
  SCC-B2391 0.3 (color)/0.06 (BW) Lux
  SCC-B2300 0.2 (color)/0.03 (BW) Lux
- BLC/AGC
- Flickerless
- Automatic White Balance
- Line-Lock Synchronization
- Accepts 2 types of Auto-Iris Lenses (DC/Video)
- Accepts CS/C lens mounts
- 12VDC/AC24V (60Hz)
- Built-In Ground Fault Isolation Transformer

Accessories

RECOMMENDED POWER SUPPLIES
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GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
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GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs
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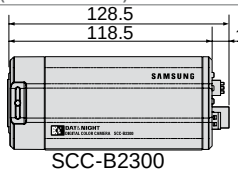
GV-2.8-12ADC, 1/3" 2.8-12mm, Vari-Focal, DC Auto Iris
GV-3.5-8ADC, 1/3" 3.5-8mm, Vari-Focal, DC Auto Iris
GV-5-100ADC, 1/2", 1/3", 5-100mm, Vari-Focal, DC Auto Iris
RECOMMENDED MOUNTS
GV-IDWMBG; 6.25" indoor mount
GV-IDWMBG-5; 4.25" indoor mount
RECOMMENDED HOUSING OPTIONS
GV-HOU3512, IP66 rate, indoor/outdoor housing
GV-HOU3512HB, IP66 rate, indoor/outdoor housing w/ Heater & Blower

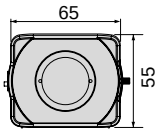
Rear Panel

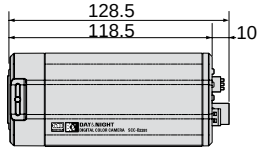
SCC-B2300
SCC-B2391

Dimensions (unit : mm)



SCC-B2300





SCC-B2391

Specifications

Camera Type	Color/BW	Day/Night Digital Camera
Image	Device	Super HAD CCD
	Size	1/3"
Pixels- Effective	SCC-B2391	768 x 494
	SCC-B2300	510 x 492
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	SCC-B2391	0.3 (color)/0.06 (BW) Lux
	SCC-B2300	0.2 (color)/0.03 (BW) Lux
Electronic Shutter speed	ELC	1/100,000 sec (max.)
Functions	BLC	ON
	AGC	ON
	ELC	ON/OFF
	ALC	DC Iris lens/Video lens
	Line Lock	ON/OFF
	AWB	ON/OFF
	Flicker	ON/OFF
	Day/Night	Auto/External
Lens	Mount	C/CS compatible
	Control	DC Iris, Video Iris
Resolution	SCC-B2391	540 Color/570 BW TV Lines
	SCC-B2300	400 Color/420 BW TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	3W
	LED Indicator	Yes
Physical Specification	Dimensions (WxHxD)	2.68" x 2.17" x 5.06" / 68 x 55 x 128.5mm
	Weight	1lbs/450g
Certifications	UL, FCC	

SCC-B2305

1/3" Day/Night, Wide Dynamic Range, Color Digital Camera

The SCC-B2305 is a high performance, high resolution Day/Night camera with a 64 step Wide Dynamic Range circuit that allows it to perform in extreme lighting conditions, providing the best color images for both normal and low light conditions.

The Wide Dynamic Range Circuit excels in severe lighting conditions such as sun rooms, ATMs or toll way systems. The SCC-B2305 has the option to automatically switch from color to high sensitivity B&W at night. In addition, the 8 privacy masking zones allow full flexibility in sensitive environments.

Features such as motion detection, alarm out and on screen display, make the SCC-B2305 camera the integrators choice in highly sensitive CCTV applications.

SCC-B2305

1/3" Day/Night, Wide Dynamic Range, Color Digital Camera

Features

- Day/Night WDR Camera
- 1/3" Super HAD Progressive Scan CCD
- 500 (Color)/530 (BW) TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination: 0.3 (Color)/0.06 (BW) Lux (F1.2)
- BLC/AGC
- Motion Detection (Area & Sensitivity)
- 8 Privacy Zones
- 1 Alarm output
- OSD (On Screen Display)
- Digital Control: POSI/NEGA, REVERSE, DETAIL
- Flickerless
- 3 Methods Of White Balance
- Line-Lock Synchronization
- Accepts 2 types of Auto-Iris Lenses (DC/Video)
- Accepts CS/C lens mounts
- 12VDC/AC24V (60Hz)
- Built-In Ground Fault Isolation Transformer

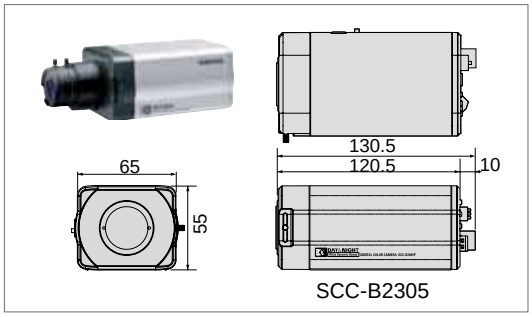
Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs
RECOMMENDED LENS
GV-2.8-12ADC, 1/3" 2.8-12mm, Vari-Focal, DC Auto Iris
GV-3.5-8ADC, 1/3" 3.5-8mm, Vari-Focal, DC Auto Iris
GV-5-100ADC, 1/2", 1/3", 5-100mm, Vari-Focal, DC Auto Iris
RECOMMENDED MOUNTS
GV-IDWMBG; 6.25" indoor mount
GV-IDWMBG-5; 4.25" indoor mount
RECOMMENDED HOUSING OPTIONS
GV-HOU3512, IP66 rate, indoor/outdoor housing
GV-HOU3512HB, IP66 rate, indoor/outdoor housing w/ Heater & Blower

Rear Panel

SCC-B2305

Dimensions (unit : mm)



SCC-B2305

Specifications

Camera Type	Color/BW	Day/Night WDR Digital Camera
Image	Device	1/3" Super HAD Progressive Scan CCD
	Size	1/3"
	Pixels- Effective	768 x 494
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
	Min. scene Illumination	0.3 (color)/0.06 (BW) Lux
Electronic Shutter speed	ELC	1/100,000 sec (max.)
Functions	BLC	OFF/WDR/BLC
	AGC	OFF/LOW/HIGH
	ELC/DC Iris	Level
	ALC	DC Iris lens/Video lens
	Sync	Internal/Line Lock
	AWB	ATW/AWC/MANUAL
	Flicker	ON/OFF
	Day/Night	Color/BW/Auto/External
	WDR	64X
	Sense Up	OFF / Auto x2 ~ x160
	Motion	ON/OFF (Area & Sensitivity)
Lens	Mount	C/CS compatible
	Control	OFF - 1/10K sec (7 steps)
	Resolution	500(Color)/530 (BW) TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	52dB (AGC Off)
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	4.5W
	LED Indicator	Yes
Physical Specification	Dimensions (WxHxD)	2.68" x 2.17" x 5.06" / 68 x 55 x 128.5mm
	Weight	1lbs/450g
Certifications	UL, FCC	

SCC-C4301

1/4” Low Light, Color, Motorized Zoom Lens Camera

The SCC-C4301 motorized zoom lens camera performs in a variety of lighting conditions and produces a high resolution image even in low light environments. The 1/4” IT Super HAD CCD provides high resolution images at 410,000 pixels with a low scene illumination of 0.02 lux. The camera uses a 22X optical (3.6 ~ 79.2mm) motorized zoom lens, along with the 10X digital zoom, resulting in 120X zooming capability.

This high-performance camera is very cost effective particularly when considering that the integrated lens and the use of a single camera for an application that would typically require multiple cameras. With auto focus, light level and iris controls it takes no time to set up and focus this camera.

This product supports two interfaces such as the RS-485 communication interface and a wired control allowing more versatility to the user. When the RS-485 control is used, as many as 128 cameras can be controlled by one DVR or SSC-1000/SSC-2000 controllers. The SCC-RC130 (single camera, wired remote) can control zoom, focus and access the menu and is typically used in smaller installations.

SCC-C4301

1/4” Low Light, Color, Motorized Zoom Lens Camera

Features

- Digital Zoom Color Camera
- 1/4 Inch IT Super HAD CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination 0.02 Lux
- 22X Optical Zoom Plus 10X Digital Zoom
- BLC Menu
- AWB, 3 Methods
- AGC with 3 Options
- Motion Detection (Area & Sensitivity)
- Picture in Picture on Digital Zoom
- RS485 & Variable Voltage Remote Control
- 1 Alarm Output
- OSD (On Screen Display)
- 12VDC/AC24V (60Hz)

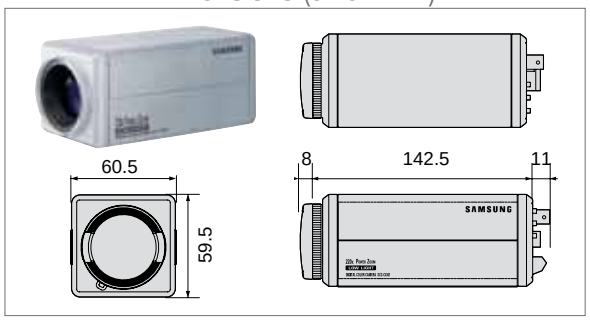
Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs
RECOMMENDED MOUNTS
GV-IDWMBG; 6.25” indoor mount
GV-IDWMBG-5; 4.25” indoor mount
RECOMMENDED HOUSING OPTIONS
GV-HOU3512, IP66 rate, indoor/outdoor housing
GV-HOU3512HB, IP66 rate, indoor/outdoor housing w/ Heater & Blower
CONTROLLER
SCC-RC130, Zoom Camera Remote Controller
SSC-1000, IC Series Camera Controller
SSC-2000, System Keyboard w/ touch screen graphic LCD Panel and DVR Control

Rear Panel

SCC-C4301

Dimensions (unit : mm)



SCC-C4301

Specifications

Camera Type	Color	Motorized Zoom Digital Camera
Image	Device	IT Super HAD CCD
	Size	1/4”
	Pixels – Total	811 x 508
	Pixels- Effective	768 x 494
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.02 lux (Sense up 128X)
Electronic Shutter Range	ELC	OFF ~ 1/10Ksec
Functions	BLC	MENU
	AGC	OFF/LOW/HIGH
	White Balance	ATW/AWC/MANUAL
	Motion Detection	ON/OFF (Area & Sensitivity)
	Sense up	OFF/AUTO x2~x128 FIX x2~x128
	Remote	RS485/Variable Voltage
	Alarms	Output 1
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB (AGC Off)
Lens	Focal Length	3.6 ~ 79.2mm
	Zoom ratio	22X
	Aperture Ratio	F1.6 (Wide), F3.8 (Tele)
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)±10%
	Power Consumption	5.5W
	LED Indicator	Yes
Physical Specification	Dimensions (WxHxD)	2.4” x 2.4” x 5.63” / 59.5 x 60.5 x 143
	Weight	1.1lbs/500g
Certifications	UL, FCC	

SCC-C4307

1/4” Day/Night, Wide Dynamic Range, Motorized Zoom Lens Camera

This technologically advanced product is a high performance surveillance camera with a 1/4” Ex-view HAD CCD. The camera supports the industry’s most innovative 32X optical zoom and 10X digital zoom that provides an overall zoom capability of 320X.

The WDR (Wide Dynamic Range) function provides clear images even under extreme backlight circumstances where the intensity of illumination can vary excessively. Also its Day/Night function can automatically switch from color mode during the day to B/W mode at night, thereby providing 24 hour observation.

This high-performance camera is very cost effective particularly when considering that the integrated lens and the use of a single camera for an application that would typically require multiple cameras. With auto focus, light level and iris controls it takes no time to set up and focus this camera.

This product supports two interfaces such as the RS-485 communication interface and a wired control allowing more versatility to the user. When the RS-485 control is used, as many as 128 cameras can be controlled by one DVR or SSC-1000/SSC-2000 controllers. The SCC-RC130 (single camera, wired remote) can control zoom, focus and access the menu and is typically used in smaller installations.

SCC-C4307

1/4” Day/Night, Wide Dynamic Range, Motorized Zoom Lens Camera

Features

- Digital Day/Night WDR Camera
- 1/4 Inch Ex-View HAD CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination 0.2 Lux (Color) and 0.07 Lux (B/W)
- 32X Optical Zoom plus 10X Digital Zoom
- Digital Image Stabilization
- BLC Menu
- AWB: 3 Methods
- AGC with 3 Options
- Motion Detection (Area & Sensitivity)
- 8 area Privacy zone
- Picture in Picture on digital zoom
- RS485 & Variable Voltage remote control
- 1 Alarm Output
- OSD (On Screen Display)
- 12VDC/AC24V (60Hz)

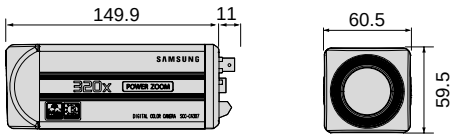
Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs
RECOMMENDED MOUNTS
GV-IDWMBG; 6.25” indoor mount
GV-IDWMBG-5; 4.25” indoor mount
RECOMMENDED HOUSING OPTIONS
GV-HOU3512, IP66 rate, indoor/outdoor housing
GV-HOU3512HB, IP66 rate, indoor/outdoor housing w/ Heater & Blower
CONTROLLER
SCC-RC130, Zoom Camera Remote Controller
SSC-1000, IC Series Camera Controller
SSC-2000, System Keyboard w/ touch screen graphic LCD Panel and DVR Control

Rear Panel

SCC-C4307

Dimensions (unit : mm)



SCC-C4307

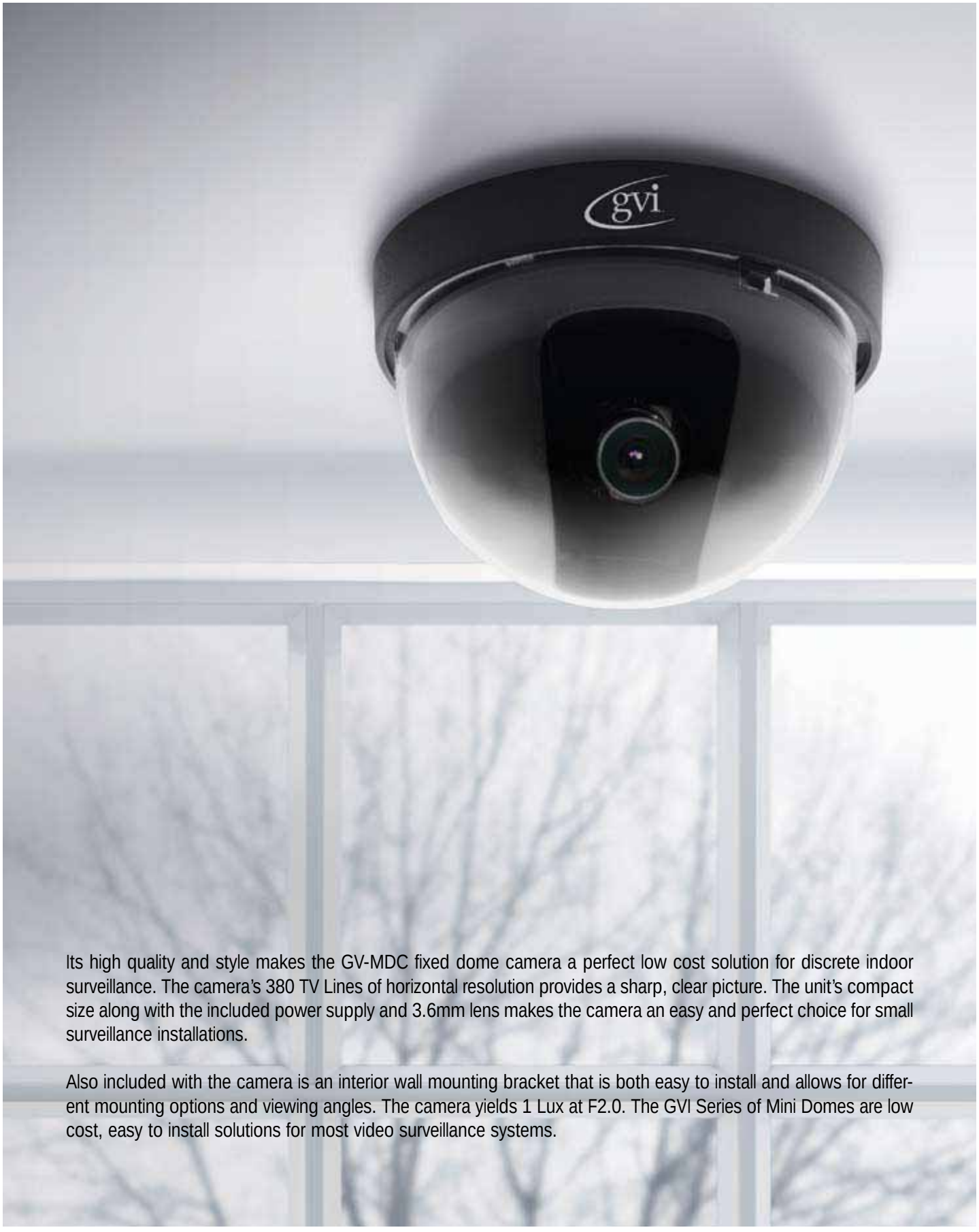
Specifications

Camera Type	Color/BW	Motorized Zoom Digital Camera
Image	Device	Ex-View HAD CCD
	Size	1/4 Inch
	Pixels – Total	811 x 508
	Pixels- Effective	768 x 494
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.2Lux (SENS UP X4)
	BW	0.07Lux (SENS UP X4)
Electronic Shutter Range	ELC	OFF ~ 1/10Ksec
Functions	BLC	MENU
	AGC	OFF/LOW/HIGH
	White Balance	ATW1/ATW2/AWC/Manual
	Motion Detection	ON/OFF (Area & Sensitivity)
	Sense up	OFF/AUTO x2~x160 and 1/20 ~ 1/10K
	Remote	RS485/Variable Voltage
	Alarms	Output 1
	WDR	128X
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB (AGC OFF)
Lens	Focal Length	3.55 ~ 113mm
	Zoom ratio	32X
	Aperture Ratio	F1.69(Wide), F4.17(Tele)
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)±10%
	Power Consumption	5.5W
	LED Indicator	Yes
Physical Specification	Dimensions (WxHxD)	2.34” x 2.38” x 5.9” / 59.5 x 60.5 x 149.9
	Weight	1.14lbs/515g
Certifications	UL, FCC	

GV-MDC

1/4” Standard, Color Fixed Dome Camera

DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: cml@segind.com.br



Its high quality and style makes the GV-MDC fixed dome camera a perfect low cost solution for discrete indoor surveillance. The camera’s 380 TV Lines of horizontal resolution provides a sharp, clear picture. The unit’s compact size along with the included power supply and 3.6mm lens makes the camera an easy and perfect choice for small surveillance installations.

Also included with the camera is an interior wall mounting bracket that is both easy to install and allows for different mounting options and viewing angles. The camera yields 1 Lux at F2.0. The GVI Series of Mini Domes are low cost, easy to install solutions for most video surveillance systems.

GV-MDC

1/4” Standard, Color Fixed Dome Camera

DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: cml@segind.com.br

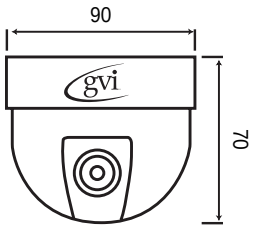
Features

- Standard Color Mini-Dome Camera
- 1/4” Sharp CCD
- 380 TV Lines Resolution
- Minimum Scene Illumination 1 Lux
- 3.6mm Lens
- 12VDC
- High Transparent Shell
- Wall Mount & Power Supply Included
- Manual Adjusting Angle
- Easy Installation

Rear Panel

GV-MDC

Dimensions (unit : mm)



GV-MDC

Specifications

Camera Type	Color	Standard Mini-Dome Camera
Image	Device	Color CCD
	Size	1/4” SHARP CCD
	Pixels – Effective	510 x 492
Min. Scene Illumination	Color	1 Lux F1.2
Electronic Shutter Speed	ELC	1/60-1/5,000 second
Functions	AGC	Auto
Lens	Size	3.6mm
Resolution	Horizontal	380 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	48dB
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-20°C ~ 55°C (-4°F ~ 131°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC
	Power Consumption	1.2w (100mA)
Physical Specification	Dimensions (øxH)	3.5” x 2.8” / 90 x 70mm
	Weight	0.4lbs/180g

SCC-B5300 / SCC-B5301

1/3” Color, Fixed Dome Camera

The Samsung Electronics SCC-B5300 and SCC-B5301 fixed dome cameras meet the value/cost ratio that is required by professional integrators. The cameras are designed to offer crisp, clear images in a small package with high resolution and simple interior installation at a lower cost. The SCC-B5300 has 330TV lines and the SCC-B5301 has 480TV lines of resolution. They are highly sensitive under both low and varying light conditions. Both are equipped with a 3.8mm lens, optical low pass filter and an anti-ground loop isolation transformer.

Using their backlight compensation function, the cameras provide brighter and sharper image of objects darkened by background lighting or sunlight. The auto white balance function has superior sensitivity that ensures accurate representation of colors.

SCC-B5300 / SCC-B5301

1/3” Color, Fixed Dome Camera

Features

- Standard Color Dome Camera
- 1/3” Super HAD IT CCD
- 330 TV Lines Resolution (SCC-B5300)
  480 TV Lines Resolution (SCC-B5301)
- DSP (Digital Signal Processing)
- Minimum Scene Illumination 0.3 Lux (SCC-B5300),
  0.5 Lux (SCC-B5301)
- BLC/AGC
- ELC
- Automatic White Balance
- Line-Lock Synchronization
- 12VDC/AC24V (60Hz)
- Built-In Ground Fault Isolation Transformer

Accessories

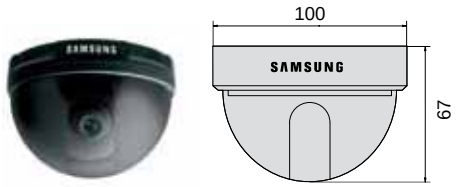
RECOMMENDED POWER SUPPLIES

GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs

Rear Panel

SCC-B5300
SCC-B5301

Dimensions (unit : mm)



SCC-B5300
SCC-B5301

Specifications

Camera Type	Color	Standard Digital Dome Camera
Image	Device	IT Super HAD CCD
	Size	1/3“
	Pixels – Effective	SCC-B5300: 510(H) x 492(V)
		SCC-B5301: 768(H) x 494(V)
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	SCC-B5300: 0.3 Lux
		SCC-B5301: 0.5 Lux
Electronic Shutter speed	ELC	1/100,000 sec (max.)
Functions	BLC	Auto
	AGC	Auto
	ELC	Auto
	Internal/Line Lock	Auto
	AWB	Auto
Lens	Size	3.8mm
Resolution	Horizontal	SCC-B5300: 330 TV Lines
		SCC-B5301: 480 TV Lines
	Vertical	350 TV Lines: 350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-10℃ ~ +50℃ (14℉ ~ +122℉)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	3W
	LED Indicator	Yes
Physical Specification	Dimensions (øxH)	4” x 2.6” / (100 x 67mm)
	Weight	0.4lbs/180g
Certifications	UL, FCC	

SCC-B5203(S)

1/3” High Resolution, Color, Fixed Dome Camera

The SCC-B5203(S) is a high performance color surveillance dome camera. With its wide viewing angle this mini-dome camera is an excellent choice for narrow or constrained area applications such as elevators or stairwells.

The SCC-B5203(S) delivers sharp images with a high horizontal resolution of 520 TV lines and comes equipped with 3.0mm lens. It has a powerful Back Light Compensation function to recover and deliver brighter, clear images from dark and indistinct images. The camera comes with silver (SCC-B5203S) or black (SCC-B5203) body housing options.

SCC-B5203(S)

1/3” High Resolution, Color, Fixed Dome Camera

Features

- High Resolution Color Dome Camera
- 1/3” Super HAD IT CCD
- 520 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination 0.3 Lux
- Lens: f = 3.0mm
- BLC/AGC
- ELC
- ATW/AWC
- 12VDC
- Built-In Ground Fault Isolation Transformer
- SCC-B5203S: Silver Body-Color
- SCC-B5203: Black Body-Color

Accessories

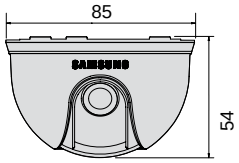
RECOMMENDED POWER SUPPLIES
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M1234, 12VDC, 3 amp, 4 fused outputs

Unit

SCC-B5203

Dimensions (unit : mm)

SCC-B5203S

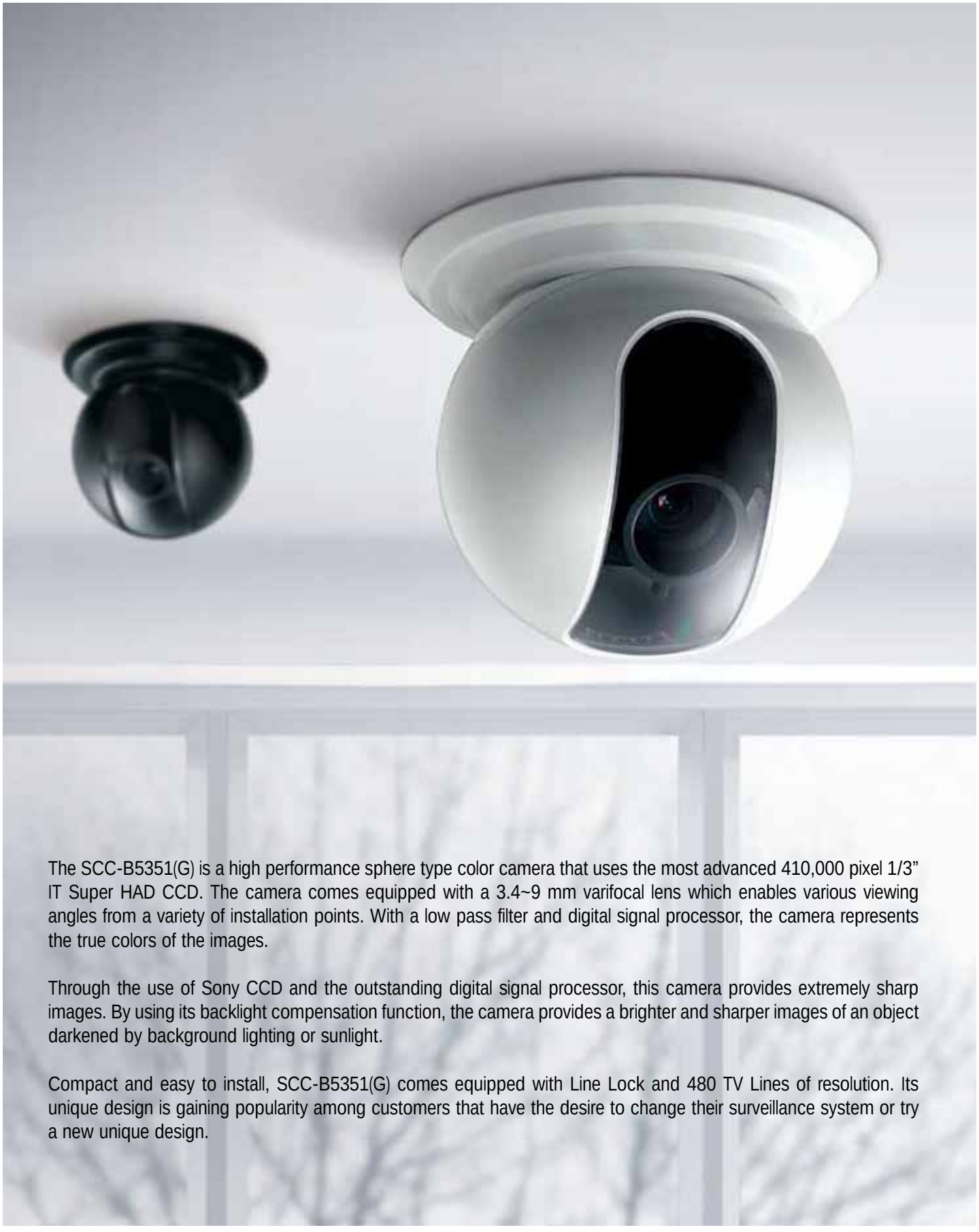


Specifications

Camera Type	Color	High Resolution Digital Dome Camera
Image	Device	Super HAD IT CCD
	Size	1/3“
	Pixels – Effective	768 (H) x 494 (V)
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.3 Lux
Electronic Shutter speed	ELC	1/120,000 sec (max.)
Functions	BLC	Auto
	AGC	Auto
	ELC	Auto
	AWB	ATW/AWC
Lens	Size	3mm
Resolution	Horizontal	520 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC (60Hz)
	Power Consumption	2W
	LED Indicator	Yes
Physical Specification	Dimensions (øxH)	3.346” x 2.125” / 85 x 54mm
	Weight	0.28lbs/125g
Certifications	UL, FCC	

SCC-B5351(G)

1/3” High Resolution, Varifocal, Fixed Dome Camera



The SCC-B5351(G) is a high performance sphere type color camera that uses the most advanced 410,000 pixel 1/3” IT Super HAD CCD. The camera comes equipped with a 3.4~9 mm varifocal lens which enables various viewing angles from a variety of installation points. With a low pass filter and digital signal processor, the camera represents the true colors of the images.

Through the use of Sony CCD and the outstanding digital signal processor, this camera provides extremely sharp images. By using its backlight compensation function, the camera provides a brighter and sharper images of an object darkened by background lighting or sunlight.

Compact and easy to install, SCC-B5351(G) comes equipped with Line Lock and 480 TV Lines of resolution. Its unique design is gaining popularity among customers that have the desire to change their surveillance system or try a new unique design.

SCC-B5351(G)

1/3” High Resolution, Varifocal, Fixed Dome Camera

Features

- High Resolution Varifocal Color Sphere Camera
- 1/3” IT Super HAD CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination 0.3 Lux
- Lens: f = 3.4 ~ 9mm Auto Iris
- BLC/AGC
- Flickerless
- Automatic White Balance
- Line-Lock Synchronization
- 12VDC/AC24V (60Hz)
- Built-In Ground Fault Isolation Transformer
- SCC-B5351G: White Body - Color
- SCC-B5351: Black Body - Color

Accessories

RECOMMENDED POWER SUPPLIES

GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs

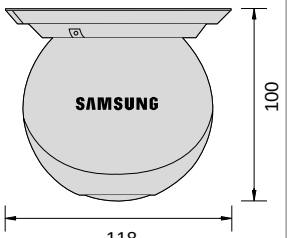
Unit

SCC-B5351G

SCC-B5351

Dimensions (unit : mm)

SCC-B5351



Specifications

Camera Type	Color	High Resolution Varifocal Sphere Camera
Image	Device	IT Super - HAD CCD
	Size	1/3“
	Pixels – Effective	768 (H) x 484 (V)
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.3 Lux
Functions	BLC	Auto
	AGC	Auto
	ALC	Auto
	Internal/Line Lock	ON/OFF
	ATW	Auto
	FL	ON/OFF
Lens	Size	3.4 - 9mm Auto Iris
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	3W
Physical Specification	Dimensions (øxH)	4.65” x 4” / (118 x 100mm)
	Weight	0.55lbs/250g
Certifications	UL, FCC	

GV-VD7305

1/3” High Resolution, Day/Night, Varifocal Color Dome Camera

The GV-VD7305 varifocal color dome camera offers crisp clear images and is designed for interior surveillance. With a 1/3” interline color IT Super HAD CCD and DSP (Digital Signal Processing) function, the integrator can count on consistent true and clear images.

The GV-VD7305 has a Day & Night function with an IR Cut Filter that comes standard with 550 TV lines (color) of horizontal resolution. When selecting a high quality day/night, color indoor dome with a varifocal 2.9~10mm auto iris lens, choose the GV-VD7305.

GV-VD7305

1/3” High Resolution, Day/Night, Varifocal Color Dome Camera

Features

- High Resolution Day/Night Vari-Focal Color Dome Camera
- 1/3” IT Super HAD CCD
- 550 TVL Color / 580 TVL B&W
- Minimum Scene Illumination:
  0.5 Lux Color / 0.03 Lux BW
- Filter Switching Time: 2-3 Sec/ 4-5 Sec, Selectable
- Lens: f = 2.9 ~ 10mm DC Auto Iris
- BLC/AGC
- Flickerless
- White Balance – ATW/AWC
- CDS Sensor
- 12VDC/AC24V (60Hz)

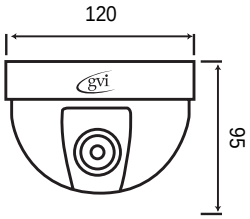
Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs

Rear Panel

GV-VD7305

Dimensions (unit : mm)



GV-VD7305

Specifications

Camera Type	Color/BW	High Resolution Vari-Focal Dome Camera
Image	Device	IT Super HAD CCD
	Size	1/3“
	Pixels – Effective	768 (H) x 494 (V)
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.5 Lux
	BW	0.03 Lux
	Shutter speed	1/60 sec
Functions	BLC	ON/OFF
	AGC	Auto
	FL	ON/OFF
	Sync	Internal
	White Balance	ATW/AWC
	Day/Night	Delay selectable - 2-3 sec/ 4-5 sec
	CDS	Light Sensor
Lens	Size	2.9 - 10mm DC Auto Iris, F1.2 D/N Lens
Resolution	Horizontal	550 (Color) TV Lines / 580 (BW) TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	48dB
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-10˚C ~ +50˚C (14˚F ~ +122˚F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	2.5W (240mA)
Physical Specification	Dimensions (øxH)	4.8” x 3.74” / (120 x 95mm)
	Weight	0.5lbs/227g
Certifications	EMC, FCC	

SCC-931T

1/4” Anti-Vandal, Color, Motorized Zoom, Dome Camera

SCC-931T is an anti-vandal color dome camera that ensures outstanding observation with excellent color sensitivity and high resolution. The combination of superior imaging and anti-vandal housing assembly make the SCC-931T a perfect solution to areas that require additional protection. Remote control and programming is accomplished via RS-485 communication (half duplex), which allows all cameras in the high impact series to be remotely controlled.

The SCC-931T can be used stand-alone or can be added to existing Samsung Electronics dome systems where complete remote control of camera functions are desired. The SCC-931T is water resistant, dustproof and shockproof, combining 12X optical zoom with a 10X digital zoom to yield 120X total zoom capability. The SCC-931T is an excellent vandal resistant motorized zoom dome, with 480TV lines of resolution a signal to noise ratio of more than 50 dB and minimum scene illumination of 1 lux.

The SCC-931T is the primary choice for system integration and critical surveillance projects. With full control capability the Samsung Electronics High Impact Series cameras are the professional’s choice for systems integration.

SCC-931T

1/4” Anti-Vandal, Color, Motorized Zoom, Dome Camera

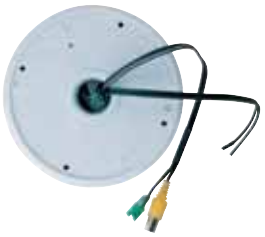
Features

- Anti-Vandal Color Dome Camera
- 1/4” IT Super HAD CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination 1Lux
- 12X Motorized Optical Zoom with 10X Digital Zoom
- BLC with Area Setting, AGC
- ELC
- Automatic White Balance
- On Screen Display (OSD)
- Line-Lock Synchronization
- Motion Detection
- IP66 Rated
- RS485 Remote Control
- 12VDC/AC24V (60Hz)
- Built-In Ground Fault Isolation Transformer

Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3 amp, 4 fused outputs
RECOMMENDED MOUNTS
SADT-101WM, Wall mount for SCC-931T, indoor/outdoor
CONTROLLER
SSC-1000, IC Series Camera Controller
SSC-2000, System Keyboard w/ touch screen graphic LCD Panel and DVR Control

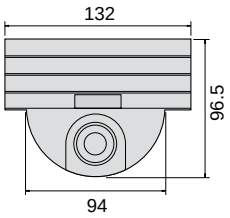
Rear Panel



SCC-931T

Dimensions (unit : mm)

SCC-931T



Specifications

Camera Type	Color	Anti-Vandal Digital Dome Camera
Image	Device	IT Super HAD CCD
	Size	1/4“
	Pixels – Total	811(H) x 508 (V)
	Pixels – Effective	768 (H) x 494 (V)
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	1 Lux (30IRE)
Electronic Shutter Speed	ELC	1/10,000 sec (max.)
Functions	BLC	ON/OFF (Area Setting)
	AGC	ON/OFF
	AWB	ATW/AWC/MANUAL
	Sync	Internal/Line lock
	Sense	Off / Auto x2~x28 / FIX x2~x128
	Motion	Menu
	Presets	10
	Digital Zoom	10X
Lens	Focal Length	3.6 ~ 43.2mm (12x Optical)
	Aperture	F1.8(Wide), F2.6(Tele)
	Viewing Angle	Wide: 52° .8’(H) x 40° .3’(V)
		Tele: 4° .7’(H) x 3° .6’(V)
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	52dB
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	6W
Physical Specification	Dimensions (øxH)	5.2” x 3.75” (132 x 95.3mm)
	Weight	2.2lbs/1kg
Certifications	UL, FCC	

SCC-C9302(F)

1/4" Anti-Vandal, Day/Night, Motorized Zoom, Wide Dynamic Range Dome Camera

The SCC-C9302(F) is an anti-vandal high resolution color dome camera. The enclosed housing is constructed of die-cast aluminum with an anti-vandal polycarbonate dome, built to withstand high impact. The housing is dustproof, shockproof, water resistant and is also available in flush mount which meets IP66 standards. The 12X motorized zoom lens enables a maximum of 120X total zoom when combined with the 10X digital zoom. The SCC-C9302(F) offers various viewing options such as Auto / One Push / Manual Focus / Lens Block settings.

The SCC-C9302(F) comes with a Wide Dynamic Range function which delivers excellent images under extreme back light conditions. It also includes a Day/ Night and low light function that can produce clear images 24 hours a day. Its Privacy Zone function helps protect up to 8 private areas and with the Auto White Balance function the camera accurately reproduces colors under demanding conditions.

Other functions include: Line-Lock, Home Position (using alarm input), Motion Detection and Camera ID Indication that displays up to 20 digits. For convenience, the camera can be remotely controlled through its RS-485 communication link.

SCC-C9302(F)

1/4" High Impact, Day/Night, Motorized Zoom, Wide Dynamic Range Dome Camera

Features

- High impact WDR Day/Night Dome Camera
- 1/4" IT Super HAD CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination: Color 0.2 Lux / BW 0.02 Lux
- 12X Motorized Optical Zoom with 10X Digital Zoom
- BLC with Area Settings
- ELC / AGC
- Automatic White Balance, 4 Methods
- On Screen Display (OSD)
- Line-Lock Synchronization
- Motion Detection (Area & Sensitivity)
- 8 Privacy Zones
- RS485 Remote Control
- IP66 Rated
- 12VDC/AC24V (60Hz)
- Built-In Ground Fault Isolation Transformer

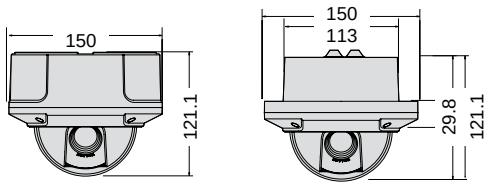
Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
GV-M1234, 12VDC, 3amp, 4 fused outputs
RECOMMENDED MOUNTS
SADT-102WM, Wall mount for SCC-C9302(F), indoor/outdoor
CONTROLLER
SSC-1000, IC Series Camera Controller
SSC-2000, System Keyboard w/ touch screen graphic LCD Panel and DVR Control

Units

SCC-C9302 SCC-C9302F

Dimensions (unit : mm)



Specifications

Camera Type	Color/BW	Anti-Vandal Day/Night Digital Camera
	Mount	Surface (SCC-C9302)
		Flush (SCC-C9302F)
Image	Device	IT Super HAD CCD
	Size	1/4"
	Pixels – Total	811(H) x 508 (V)
	Pixels – Effective	768 (H) x 494 (V)
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.2 Lux (Sens up x4)
	BW	0.02 Lux (Sens up x4)
Electronic Shutter Speed	ELC	1/10,000 sec (max.)
Functions	BLC	ON/OFF (Area Setting)
	AGC	OFF / LOW / HIGH
	AWB	ATW-1/ATW-2/AWC/Manual
	Sync	Internal/Line lock
	Sense	OFF / AUTO 2X~160X
	Motion	ON/OFF (Area & Sensitivity)
	Presets	32
	Digital Zoom	x10
	WDR	ON/OFF, Two Levels Settings
	Privacy Zones	8
	Alarm	1 Input/1 Output
Lens	Focal Length	3.6 ~ 43.2mm (12x Optical)
	Aperture	F1.8(Wide), F2.6(Tele)
	Viewing angle	Wide: 52° .8'(H) x 40° .3'(V)
		Tele: 4° .7'(H) x 3° .6'(V)
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	52dB
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	12VDC/AC24V (60Hz)
	Power Consumption	6W
Physical Specification	Dimensions (øxH)	5.905" x 4.763" / 150 x 121mm
	Weight	2.425lbs/1.1kg (SCC-C9302)
		1.94lbs/880g (SCC-C9302F)
Certifications	UL, FCC	

GV-CLRIR

1/4” Color, Weather Resistant, Bullet IR Camera

The GVI Series of bullet cameras are designed for both indoor and outdoor applications where small, discrete video cameras are required. The GV-CLRIR is a weather resistant camera that will eliminate the need for extra cost of an outdoor housing therefore making it the first choice in residential type applications.

Equipped with 12 LED IR illuminators, the GV-CLRIR can be used in diverse applications such as, search, recovery and sporting activities. The camera comes equipped with 3.6mm lens and also includes a 12VDC power supply and sunshield for easy installation.

GV-CLRIR

1/4” Color, Weather Resistant, Bullet IR Camera

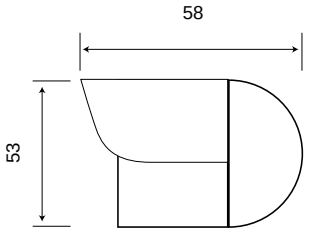
Features

- Bullet IR Color Camera
- 1/4” SHARP CCD
- 380 TV Lines Resolution
- Minimum Scene Illumination
  1 Lux LED Off
  0 Lux LED On
- Lens 3.6mm
- 12 IR LED
- Weather resistant (IP54)
- Mounting bracket, Sunshield and Power Supply Included
- 12VDC

Unit

GV-CLRIR

Dimensions (unit : mm)



GV-CLRIR

Specifications

Camera Type	Color	Bullet IR camera
Image	Device	SHARP CCD
	Size	1/4“
	Pixels – Effective	510 (H) x 492 (V)
Scanning	System	525 lines, 2:1 Interlace
Min. Scene Illumination	LED on	0 Lux
	LED off	1 Lux
	Shutter speed	1/5,000 sec (max)
Functions	AGC	Auto
	IR	12
	CDS	Light Sensor
	Sync	Internal
Lens	Size	3.6mm
Resolution	Horizontal	380 (Color) TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-4℉ ~ +131℉ (-20℃ ~ +55℃)
Power	Power Requirement	12VDC
	Power Consumption	1.2w (100mA)
Physical Specification	Dimensions (øxL)	2.1” x 2.3” (53 x 58mm)
	Weight	0.68lbs/280g

GV-BCC723

1/3” Color, Weather Resistant, Bullet IR Camera

The GV-BCC723 is a high performance, weather resistant camera built to operate in demanding conditions. The camera is packed with 20 infrared LEDs that enables it to punch through the darkness to deliver sharp images in critical areas. The camera comes equipped with a 4.0mm lens and a mounting bracket.

The 350 TV Lines of resolution provides a sharp, clear picture while the IP67 rated weather resistance makes this camera an excellent choice for both indoor and outdoor applications.

When the need arises for a camera that is highly durable and reliable, our customers rank this bullet IR camera as the premier solution for their applications.

GV-BCC723

1/3” Color, Weather, Resistant Bullet IR Camera

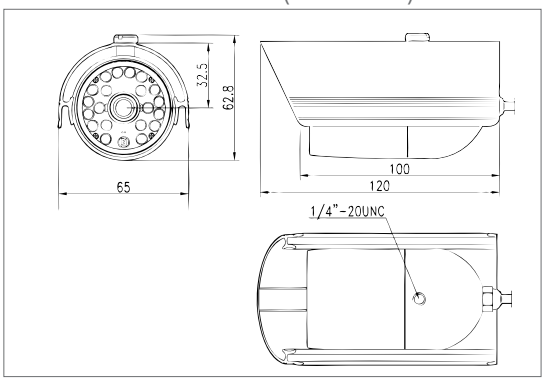
Features

- Bullet IR Color Camera
- 1/3” 270K Sony CCD
- 350 TV Lines Resolution
- Minimum Scene Illumination
  0.5 Lux LED Off
  0 Lux LED On
- Lens 4.0mm
- AGC
- IP67
- 20 IR LED with CDS Sensor
- Weather Resistant
- Mounting Bracket and Power Supply Included
- 12VDC

Unit

GV-BCC723

Dimensions (unit : mm)



GV-BCC723

Specifications

Camera Type	Color	Bullet IR camera
Image	Device	270K Sony CCD
	Size	1/3“
	Pixels – Effective	510 (H) x 492 (V)
Scanning	System	525 lines, 2:1 Interlace
Min. Scene Illumination	LED On	0 Lux
	LED Off	0.5 Lux
	Shutter Speed	1/100,000sec (max)
Functions	AGC	Auto
	IR	20 (850nm)
	CDS	Sensor
Lens	Size	4mm
Resolution	Horizontal	350 (Color) TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB
OSD	OSD	NO
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
Power	Power Requirement	12VDC
	Power Consumption	4.2W (350mA)
Physical Specification	Dimensions (WxHxD)	2.56” x 2.47” x 4.72” / 65 x 62.8 x 120mm
	Weight	0.77lbs/350g

GV-BVF480

1/3” Color, Varifocal, Weather Resistant, Bullet Camera

The GV-BVF480 varifocal bullet camera is the perfect choice for applications where a low profile camera is needed. The externally adjusted, variable focal range and focus of the camera make installations more convenient and fast.

The camera comes equipped with a 3.8 ~ 9.5mm varifocal fixed iris lens and a mounting bracket. The camera can be mounted from its back, top or bottom for the installers convenience.

The 480 TV Lines of resolution provides a sharp clear picture while the IP66 rated weather resistance makes this camera an excellent choice for both indoor and outdoor applications.

GV-BVF480

1/3” Color, Varifocal, Weather Resistant, Bullet Camera

Features

- Bullet Color Camera
- 1/3” Super HAD Sony CCD
- 480 TV Lines Resolution
- Minimum Scene Illumination 0.3 Lux
- Varifocal Fixed Iris Lens built-in STD: 3.8~9.5mm / F1.3
- Externally Adjustable Focal Length & Focus by Ring
- Back Light Compensation
- Weather Resistant (IP66)
- Back, Top and Bottom Side Bracket Mounting Available
- 12VDC

Accessories

RECOMMENDED POWER SUPPLIES

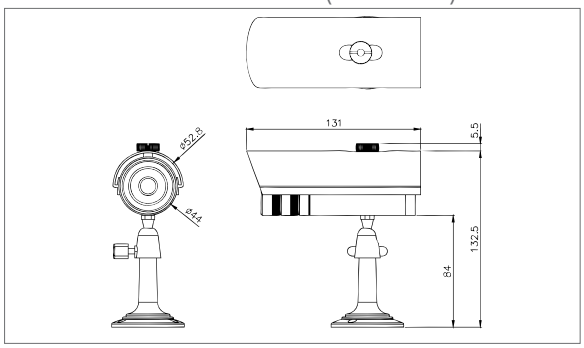
GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer

GV-M1234, 12VDC, 3 amp, 4 fused outputs

Unit

GV-BVF480

Dimensions (unit : mm)



GV-BVF480

Specifications

Camera Type	Color	Bullet IR camera
Image	Device	Super HAD Sony CCD
	Size	1/3“
	Pixels – Effective	768 (H) x 494 (V)- 380K pixels
Scanning	Pixels – System	525 lines, 2:1 Interlace
Min. Scene Illumination	Color	0.3 Lux
	Shutter speed	1/60~1/100,000sec (max)
Functions	AGC	Built In
Lens	Size	3.8~9.5mm Varifocal Fixed Iris F1.3
Resolution	Horizontal	480 (Color) TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p (75 Load)
S/N Ratio	S/N Ratio	Greater Than 48dB
Environmental Conditions	Operating Temperature	-10℃ ~ +50℃ (14℉ ~ +122℉)
Power	Power Requirement	12VDC
	Power Consumption	2W (160mA)
Physical Specification	Dimensions (øxL)	1.7”x 4.5” (44x 116mm)
	Weight	1.5lb / (0.68kg)

GV-BVF540IR

1/3” Day/Night, Varifocal, Weather Resistant, Bullet IR Camera

The GV-BVF540IR varifocal bullet camera with infrared illuminators is the perfect choice for installations where night lighting is very low or does not exist at all. The 36 LEDs provide powerful illumination that have a range of up to 75 feet to light up the night and maintain a clear sharp picture.

The camera comes equipped with a 3.8 ~ 9.5mm varifocal DC auto iris lens and a mounting bracket. The camera can be mounted from its back, top or bottom for the installers convenience.

The externally adjustable variable focal length and focus functions of the camera make the installation more fast and convenient. The camera is IP 66 rated for weather resistance that allows it to be used for both indoor and outdoor applications.

GV-BVF540IR

1/3” Day/Night, Varifocal, Weather Resistant, Bullet IR Camera

Features

- Bullet IR Day/Night Camera
- 1/3” Super HAD Sony CCD
- 540 TV Lines (Color) and 580TV Lines (B/W) Resolution
- Minimum Scene Illumination
  0 Lux LED On
  0.5 Lux LED Off
- Color & B/W Auto Switchable By Photocell and Sensitivity
- Lens 3.8~9.5mm Varifocal, DC Auto Iris
- Externally Adjustable Focal Length & Focus By Side Screws
- Externally Adjustable DC Iris Level
- 36 IR LED with CDS Photocell Auto Switch
- Weather Resistant (IP66)
- Back Side, Top and Bottom Side Bracket Mounting
- AC24V/DC12V

Accessories

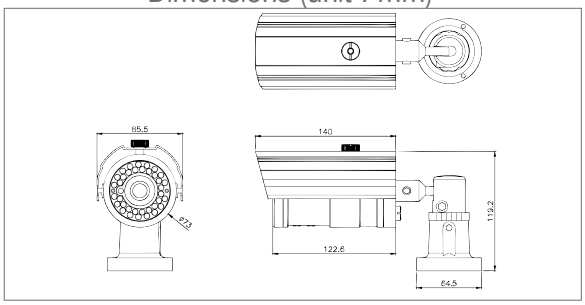
RECOMMENDED POWER SUPPLIES

GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M1234, 12VDC, 3amp, 4 fused outputs
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs

Unit

GV-BVF540IR

Dimensions (unit : mm)



GV-BVF540IR

Specifications

Camera Type	Color/BW	Bullet IR Camera
Image	Device	Super HAD Sony CCD
	Size	1/3“
	Pixels – Effective	510 (H) x 492 (V)-380K Pixels
Scanning	System	525 lines, 2:1 Interlace
Min. Scene Illumination	LED On	0 Lux
	LED Off	0.5 Lux
	Shutter speed	1/60 sec
Functions	AGC	Built In
	IR	36
	CDS	Photocell Auto Switch
Lens	Size	3.8~9.5mmVarifocal, DC AutoIris F1.2
Resolution	Horizontal	540 (Color) TVL/ 580 (B/W) TVL
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p(75 Ohm Load)
S/N Ratio	S/N Ratio	Greater Than 48dB (AGC off)
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
Power	Power Requirement	12VDC/ AC24V
	Power Consumption	AC24V 2.5VA~ 5.0VA max. / IR LED On
		12VDC 240mA~ 600mA max. / IR LED On
Physical Specification	Dimensions (øxL)	2.87” x 4.80” (73 x 122mm)
	Weight	3.2lb/ (1.45kg)

GV-VD550IR

1/3” Day/Night, Vandal Resistant, Varifocal, IR Dome Camera

The GV-VD550IR varifocal dome with infrared illumination is the perfect choice for installations where lighting at night is very low or does not exist at all. The dome provides sharp and clear pictures or illumination even with no light present.

The camera comes equipped with a 3.8 ~ 9.5mm varifocal aspherical DC auto iris lens and a true 3-axis gimbal bracket. The camera has a resolution of 550TV lines in color mode and is IP-66 rated. The cameras anti-vandal housing is built to withstand high impact and demanding weather conditions.

This vandal and weather resistant dome is designed for tough indoor or outdoor environments where most cameras would not survive.

GV-VD550IR

1/3” Day/Night, Vandal Resistant, Varifocal, IR Dome Camera

Features

- Vandal Resistant, IR Dome Camera
- 1/3” Sony Super HAD CCD
- Resolution 550TV-Lines (Color), 580TV-Lines (B/W)
- Minimum Scene Illumination
  0.5 Lux LED Off
  0.0 Lux LED On
- Vari-Focal Aspherical DC Auto Iris 3.8~9.5mm F1.2 Lens Built-in
- BLC/AGC
- Flickerless
- White Balance - AWC
- DIP Switch Control of Color & B/W Changing Time
- 18 IR LED with CDS Photocell Auto Switch
- True 3-Axis Gimbal Bracket (2-Pan, 2-Tilt)
- Vandal Resistant & Weather Resistant Housing (IP66)
- AC24V/DC12V

Accessories

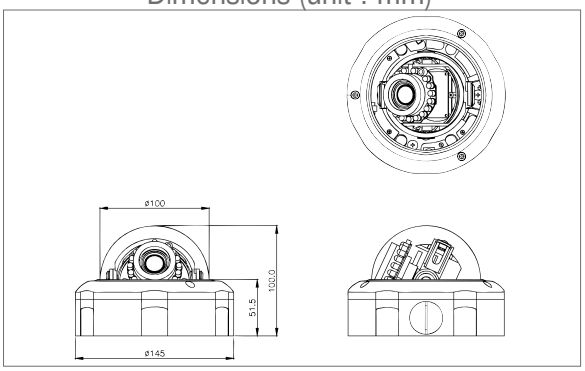
RECOMMENDED POWER SUPPLIES

GV-TRAN-12-500DC, 12VDC, 500 MA, plug in transformer
GV-M1234, 12VDC, 3 amp, 4 fused outputs
GV-TRAN-24-20LED, 24VAC, 20VA, Class II plug in transformer
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs

Rear Panel

Knock out on both the back and the side

Dimensions (unit : mm)



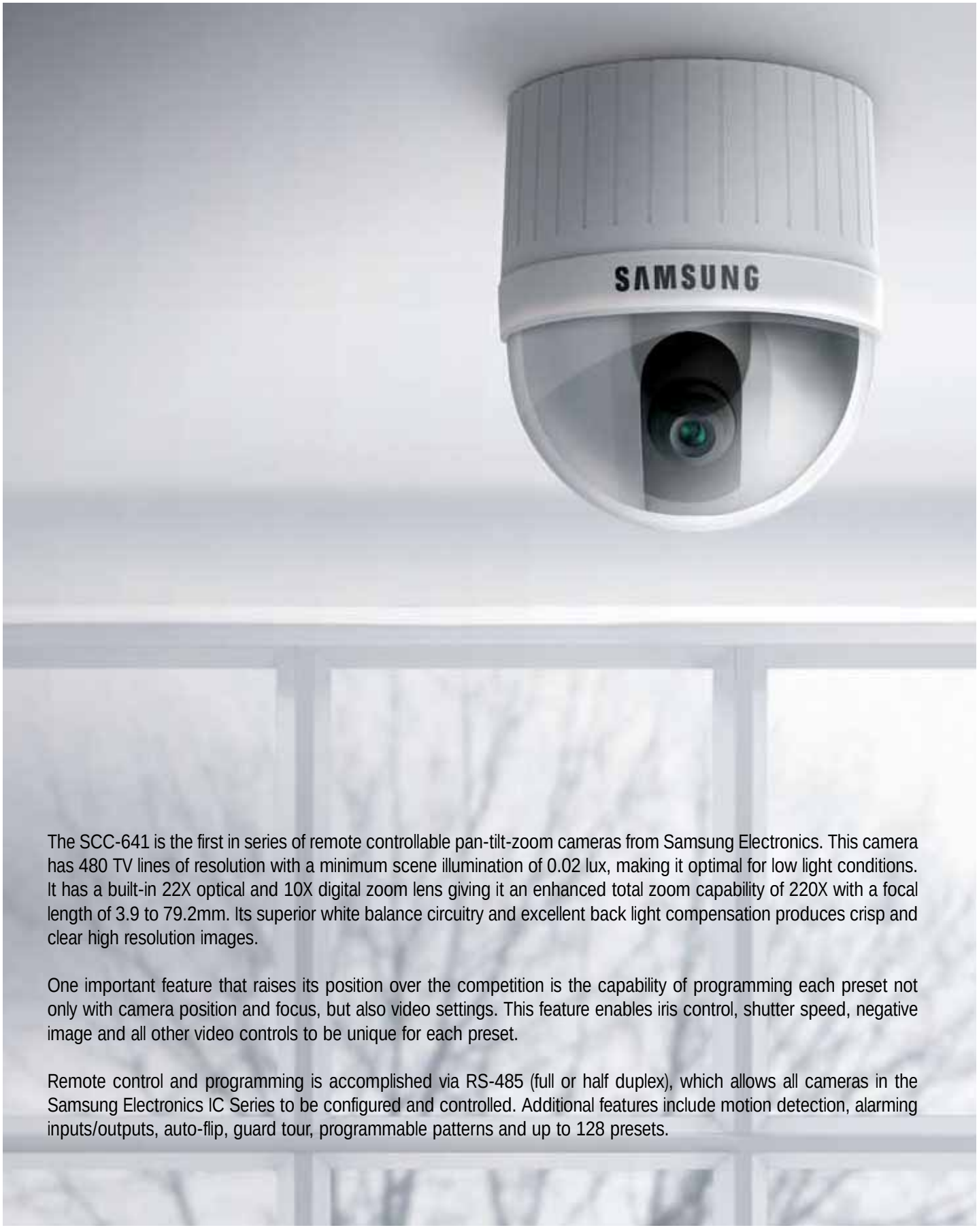
GV-VD550IR

Specifications

Camera Type	Color/BW	IR Dome Camera
Image	Device	Interline Transfer Type Sony CCD
	Size	1/3”
	Pixels – Effective	768 (H) x 494 (V)- 380K Pixels
Scanning	System	525 lines, 2:1 Interlace
Min. Scene Illumination	LED On	0 Lux
	LED Off	0.5 Lux
	Shutter Speed	1/60 sec
Functions	AGC	Built-in
	IR	18 pcs LEDs
	CDS	Day/Night Switching
Lens	Size	3.8~9.5mm Varifocal, DC AutoIrisF1.2
Resolution	Horizontal	550(Color) TVL / 580(B/W) TVL
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p (75-Load)
S/N Ratio	S/N Ratio	Greater than 48dB (AGC off)
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
Power	Power Requirement	12VDC / AC24V
	Power Consumption	Normal: 160mA,
		Max. (IR-LED ON): 320mA (DC12V)
Physical Specification	Dimensions (øxL)	5.71”x 3.94” (145x 100mm)
	Weight	3.1lbs (1.4kg)

SCC-641

1/4” Pan-Tilt-Zoom, Color Dome Camera



The SCC-641 is the first in series of remote controllable pan-tilt-zoom cameras from Samsung Electronics. This camera has 480 TV lines of resolution with a minimum scene illumination of 0.02 lux, making it optimal for low light conditions. It has a built-in 22X optical and 10X digital zoom lens giving it an enhanced total zoom capability of 220X with a focal length of 3.9 to 79.2mm. Its superior white balance circuitry and excellent back light compensation produces crisp and clear high resolution images.

One important feature that raises its position over the competition is the capability of programming each preset not only with camera position and focus, but also video settings. This feature enables iris control, shutter speed, negative image and all other video controls to be unique for each preset.

Remote control and programming is accomplished via RS-485 (full or half duplex), which allows all cameras in the Samsung Electronics IC Series to be configured and controlled. Additional features include motion detection, alarming inputs/outputs, auto-flip, guard tour, programmable patterns and up to 128 presets.

SCC-641

1/4” Pan-Tilt-Zoom, Color Dome Camera

Features

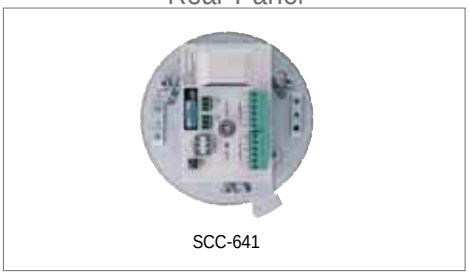
- Pan Tilt Zoom Color Dome Camera
- 1/4” IT CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination: 0.3 Lux
- 22X Optical Zoom Plus 10X Digital Zoom
- 360º Panning, 0º ~ 90º Tilting
- High-Speed PAN/TILT
- BLC/AGC
- Motion Detection
- 4 Alarm Inputs, 3 Alarm Outputs
- OSD (On Screen Display)
- AC24V (60Hz)

Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
RECOMMENDED MOUNTS
SADT-100WM, Wall mount, indoor/outdoor, requires housing
SADT-100CM, Ceiling mount, indoor/outdoor, requires housing
SADT-100PM, Pole mount, indoor/outdoor, requires SADT-100WM
SADT-110CM, Corner mount, indoor/outdoor, requires SADT-100WM
RECOMMENDED HOUSING OPTIONS
SBR-100DCM, Indoor ceiling mount bracket for recessed application
SHG-120, Metal indoor housing, requires wall or ceiling mount
SHG-220, Metal outdoor housing w/ Heater & Blower, requires wall or ceiling mount
CONTROLLER
SSC-1000, IC Series Camera Controller
SSC-2000, System Keyboard w/ touch screen graphic LCD Panel and DVR Control

Dimensions (unit : mm)

Rear Panel



Specifications

Camera Type	Color	Pan Tilt Zoom
Image	Device	IT CCD
	Size	1/4”
	Pixels – Total	811 x 508
	Pixels- Effective	768 x 494
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.3 Lux (Sens up x4)
Electronic Shutter Range	ELC	OFF ~ 1/10Ksec
Pan/Tilt	Speed Manual Pan	0.8˚ ~ 90˚/sec (64Step)
	Preset Pan	240˚/sec (max)
	Manual Tilt	0.8˚ ~45˚/sec (64Step)
	Preset Tilt	150˚/sec (max)
	Range	Panning: 360˚
	Tilting	0˚~90˚
	Number of Auto PAN	1
	Number of Preset	128
	Number of Pattern	3
Functions	BLC	ON/OFF
	AGC	ON/OFF
	Line Lock	INT/LINELOCK
	White Balance	ATW/AWC/MANUAL
	Motion Detection	ON/OFF
	Sense up	OFF / AUTO x2~x128 / FIX x2~x128, 1/120~1/10K
	Remote	RS485
	Alarms	Input 4/Output 3
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	52dB
Lens	Focal Length	3.55 ~ 79.2mm
	Zoom ratio	22X
	Aperture Ratio	F1.6 (Wide), F3.8 (Tele)
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10˚C ~ +50˚C (14˚F ~ +122˚F)
	Humidity	Less than 90%
Power	Power Requirement	AC24V (60Hz)±10%
	Power Consumption	18W
	LED Indicator	Yes
Physical Specification	Dimensions	Dome: 5.79” (147ø)mm
		Outline:6.2834” (ø) x 6.9685” (H) / 159.6(ø) x 177(H)mm
	Weight	4.4lbs/2Kg
Certifications	UL, FCC	

SCC-C6403

1/4” Day/Night, Pan-Tilt-Zoom Dome Camera

The SCC-C6403 SmartDome camera from Samsung Electronics is a perfect solution for your advanced surveillance needs at a competitive cost. The camera contains a 32X built-in optical lens and 10X digital zoom to offer up to 320X zoom capability.

The dome includes 350° panning and is the perfect choice for wall mount and corner mount applications. The camera can detect an object at great distance with high clarity via the auto focus function.

The camera also includes other features such as true Day/Night with removable mechanical cut filter, motion detection, 8 privacy zones and auto white balance.

SCC-C6403

1/4” Day/Night, Pan-Tilt-Zoom Dome Camera

Features

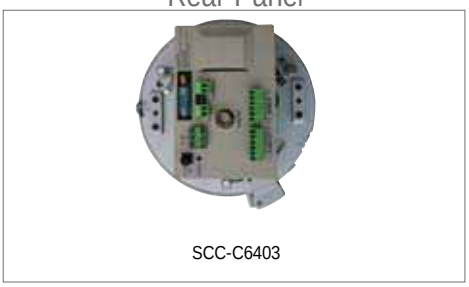
- Day/Night Pan Tilt Zoom Dome Camera
- 1/4” IT Super HAD CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination:
  Color: 0.3 Lux (30 IRE)
  B/W: 0.03 Lux (30 IRE)
- 32X Optical Zoom plus 10X Digital Zoom
- Digital Image Stabilization
- 350º Panning, 0º ~ 90º Tilting
- High-Speed PAN/TILT (400˚/sec)
- BLC/AGC
- Motion Detection
- 8 Privacy Zones
- 4 Alarm Inputs, 3 Alarm Outputs
- OSD (On Screen Display)
- AC24V (60Hz)

Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
RECOMMENDED MOUNTS
SADT-100WM, Wall mount, indoor/outdoor, requires housing
SADT-100CM, Ceiling mount, indoor/outdoor, requires housing
SADT-100PM, Pole mount, indoor/outdoor, requires SADT-100WM
SADT-110CM, Corner mount, indoor/outdoor, requires SADT-100WM
RECOMMENDED HOUSING OPTIONS
SBR-100DCM, Indoor ceiling mount bracket for recessed application
SHG-120, Metal indoor housing, requires wall or ceiling mount
SHG-220, Metal outdoor housing w/ Heater & Blower, requires wall or ceiling mount
CONTROLLER
SSC-1000, IC Series Camera Controller
SSC-2000, System Keyboard w/ touch screen graphic LCD Panel and DVR Control

Dimensions (unit : mm)

Rear Panel

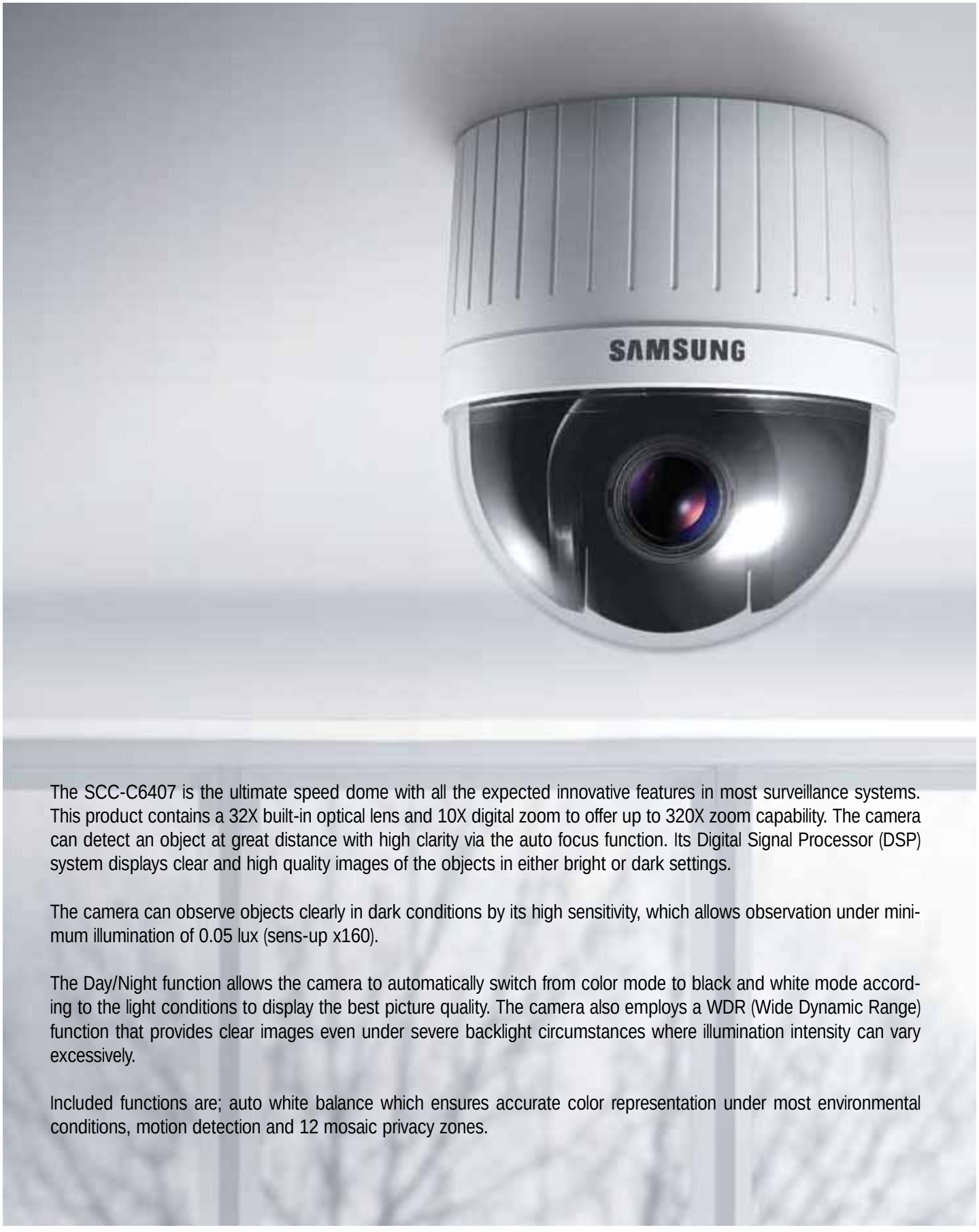


Specifications

Camera Type	Color/BW	Day/Night Pan Tilt Zoom
Image	Device	IT Super HAD CCD
	Size	1/4”
	Pixels – Total	811 x 508
	Pixels- Effective	768 x 494
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15.734Hz
	Horizontal Frequency Line-lock Mode	15.750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.3 Lux (30 IRE: Sense-Up x4)
	B/W	0.03 Lux (30 IRE: Sense-Up x4)
Electronic Shutter Range	ELC	OFF ~ 1/10Ksec
Pan/Tilt	Speed Manual Pan	0.1˚ ~ 180˚/sec (64 Step)
	Preset Pan	400˚/sec (max)
	Manual Tilt	0.1˚ ~90˚/sec (64 Step)
	Preset Tilt	200˚/sec (max)
	Range	Panning: 350˚
		Tilting: 0˚~90˚
	Number of Auto PAN	4
	Number of Preset	128
	Number of Pattern	3
Functions	BLC	ON/OFF
	AGC	Off/LOW/HIGH
	Line Lock	INT/LINELOCK
	White Balance	ATW1/ATW2/AWC/MANUAL
	Motion Detection	ON/OFF
	Sense up	OFF / AUTO x2~x128 / 1/120~1/10K
	Remote	RS485
	Alarms	Input 4/Output 3
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB
Lens	Focal Length	3.55 ~ 113mm
	Zoom ratio	32X
	Aperture Ratio	F1.69 (Wide), F4.17 (Tele)
	Viewing Angle	Tele: 1˚ 78’(H) x 1˚ 34’(V) / Wide: 41˚ 5’(H) x 43˚ 01’(V)
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10˚C ~ +50˚C (14˚F ~ +122˚F)
	Humidity	Less than 90%
Power	Power Requirement	AC24V(60Hz) ±10%
	Power Consumption	18W
	LED Indicator	Yes
Physical Specification	Dimensions	Dome: 5.79” (147ø)mm
		Outline: 6.2834” (ø) x 6.9685”(H) / 159.6(ø) x 177(H)mm
	Weight	3.9lbs/1.8Kg
Certifications	UL, FCC	

SCC-C6407

1/4” Day/Night, Wide Dynamic Range, Pan-Tilt-Zoom Dome Camera



The SCC-C6407 is the ultimate speed dome with all the expected innovative features in most surveillance systems. This product contains a 32X built-in optical lens and 10X digital zoom to offer up to 320X zoom capability. The camera can detect an object at great distance with high clarity via the auto focus function. Its Digital Signal Processor (DSP) system displays clear and high quality images of the objects in either bright or dark settings.

The camera can observe objects clearly in dark conditions by its high sensitivity, which allows observation under minimum illumination of 0.05 lux (sens-up x160).

The Day/Night function allows the camera to automatically switch from color mode to black and white mode according to the light conditions to display the best picture quality. The camera also employs a WDR (Wide Dynamic Range) function that provides clear images even under severe backlight circumstances where illumination intensity can vary excessively.

Included functions are; auto white balance which ensures accurate color representation under most environmental conditions, motion detection and 12 mosaic privacy zones.

SCC-C6407

1/4” Day/Night, Wide Dynamic Range, Pan-Tilt-Zoom Dome

Features

- Day/Night WDR Pan Tilt Zoom Dome Camera
- 1/4” Ex-View HAD CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination: Color: 0.2 Lux / B/W: 0.07 Lux (30 IRE)
- 32X Optical Zoom plus 10X Digital Zoom
- Digital Image Stabilization
- 360º Panning, 0º ~ 180º Tilting
- High-Speed PAN/TILT (400˚/sec)
- BLC with Area Setting
- Motion Detection
- 12 Mosaic Privacy Zones
- 8 Alarm Inputs, 3 Alarm Outputs
- OSD (On Screen Display)
- AC24V (60Hz)

Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
RECOMMENDED MOUNTS
SADT-100WM, Wall mount, indoor/outdoor, requires housing
SADT-100CM, Ceiling mount, indoor/outdoor, requires housing
SADT-100PM, Pole mount, indoor/outdoor, requires SADT-100WM
SADT-110CM, Corner mount, indoor/outdoor, requires SADT-100WM
RECOMMENDED HOUSING OPTIONS
SBR-100DCM, Indoor ceiling mount bracket for recessed application
SHG-120, Metal indoor housing, requires wall or ceiling mount
SHG-220, Metal outdoor housing w/ Heater & Blower, requires wall or ceiling mount
CONTROLLER
SSC-1000, IC Series Camera Controller
SSC-2000, System Keyboard w/ touch screen graphic LCD Panel and DVR Control

Dimensions (unit : mm)

Rear Panel

Specifications

Camera Type	Color/BW	Day/Night Pan Tilt Zoom
Image	Device	Ex-View HAD CCD
	Size	1/4”
	Pixels – Total	811 x 508
	Pixels- Effective	768 x 494
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.2 Lux (30 IRE: Sense-Up x4)
	B/W	0.07 Lux (30 IRE: Sense-Up x4)
Electronic Shutter Range	ELC	OFF ~ 1/10Ksec
Pan/Tilt	Speed Manual Pan	0.1˚ ~ 180˚/sec (64 Step)
	Preset Pan	400˚/sec (max)
	Manual Tilt	0.1˚ ~90˚/sec (64 Step)
	Preset Tilt	200˚/sec (max)
	Range	Panning: 360˚
	Tilting	0˚~180˚
	Number of Auto Pan	4
	Number of Preset	128
	Number of Pattern	3
	Number of Scan	4
Functions	BLC	ON/OFF
	AGC	Off/LOW/HIGH
	Line Lock	INT/LINELOCK
	White Balance	ATW1/ATW2/AWC/MANUAL
	Motion Detection	ON/OFF
	Sense up	OFF / Auto x2~x160 / 1/120~1/10K
	Remote	RS485
	Alarms	Input 8/Output 3
	WDR	128
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	50dB
Lens	Focal Length	3.55 ~ 113mm
	Zoom ratio	32X
	Aperture Ratio	F1.69 (Wide), F4.17 (Tele)
	Viewing Angle	Tele: 1˚ 78’(H) x 1˚ 34’(V)
		Wide: 41˚ 5’(H) x 43˚ 01’(V)
OSD	OSD	YES
Environmental Conditions	Operating Temperature	-10˚C ~ +50˚C (14˚F ~ +122˚F)
	Humidity	Less than 90%
Power	Power Requirement	AC24V(60Hz) ±10%
	Power Consumption	22W
	LED Indicator	Yes
Physical Specification	Dimensions	Dome: 5.79” (147ø)mm
		Outline: 6.2834” (ø) x 6.9685”(H) / 159.6(ø) x 177(H)mm
	Weight	3.75lbs/1.7Kg
Certifications	UL, FCC	

SCC-C6475

1/4”, IP, Day/Night, Wide Dynamic Range Pan-Tilt-Zoom Dome Camera

The Samsung Electronics SCC-C6475 IP Smart Dome camera is the perfect solution for your IP video needs. It can be connected to a network by ADSL, cable modem and LAN.

The SCC-C6475 includes it own embedded OS and connects via Ethernet to Networks for remote viewing. It supports common protocols such as DDNS, DHCP, TCP/IP, UDP/IP, HTTP, FTP, SMTP, RTP/RTSP, NTP and PPPoE. The maximum transmission speed is 25ips and recording may continue up to 10 minute on a local PC.

The product contains a 22X built-in optical lens and 10X digital zoom to offer up to 220X zoom capability.

Features include, Wide Dynamic Range, True Day/Night with removable IR cut filter, switches from Color to Black and white for low light conditions, motion detection, privacy zones, auto focus and auto white balance.

The SCC-C6475 delivers clear, high resolution images in even the most demanding lighting conditions.

SCC-C6475

1/4”, IP, Day/Night, Wide Dynamic Range Pan-Tilt-Zoom Dome Camera

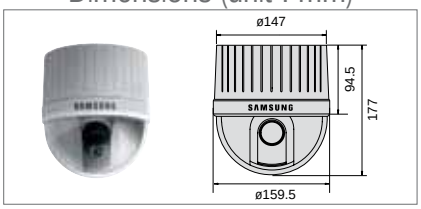
Features

- Day/Night IP Pan Tilt Zoom Dome Camera
- 1/4” Ex-View HAD CCD
- 480 TV Lines Resolution
- DSP (Digital Signal Processing)
- Minimum Scene Illumination: Color: 0.2 Lux / B/W: 0.07 Lux
- 22X Optical Zoom plus 10X Digital Zoom
- Digital Image Stabilization
- 360º Panning, 0º ~ 180º Tilting
- High-Speed PAN/TILT (400°/sec)
- BLC/AGC
- Motion Detection
- 12 Mosaic Privacy Zones
- 4 Alarm Inputs, 3 Alarm Outputs
- Network, 10/100 BaseT
- Client Software included
- OSD (On Screen Display)
- AC24V (60Hz)

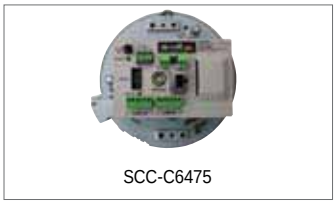
Accessories

RECOMMENDED POWER SUPPLIES
GV-TRAN-24-40LED, 24VAC, 40VA, Class II plug in transformer
GV-M2448UL, 24VAC, 4 amp, 8 fused outputs
GV-M24816UL, 24VAC, 8 amp, 16 fused outputs
RECOMMENDED MOUNTS
SADT-100WM, Wall mount, indoor/outdoor, requires housing
SADT-100CM, Ceiling mount, indoor/outdoor, requires housing
SADT-100PM, Pole mount, indoor/outdoor, requires SADT-100WM
SADT-110CM, Corner mount, indoor/outdoor, requires SADT-100WM
RECOMMENDED HOUSING OPTIONS
SBR-100DCM, Indoor ceiling mount bracket for recessed application
SHG-120, Metal indoor housing, requires wall or ceiling mount
SHG-220, Metal outdoor housing w/ Heater & Blower, requires wall or ceiling mount
CONTROLLER
SSC-1000, IC Series Camera Controller
SSC-2000, System Keyboard w/ touch screen graphic LCD Panel and DVR Control

Dimensions (unit : mm)



Rear Panel



Specifications

Camera Type	Color/BW	Day/Night IP Pan Tilt Zoom
Image	Device	Ex-View HAD CCD
	Size	1/4”
	Pixels – Total	811 x 508
	Pixels – Effective	768 x 494
Scanning	System	525 lines, 2:1 Interlace
	Horizontal Frequency Internal Mode	15,734Hz
	Horizontal Frequency Line-lock Mode	15,750Hz
	Vertical Frequency Internal Mode	59.94Hz
	Vertical Frequency Line-lock Mode	60Hz
Min. Scene Illumination	Color	0.2 Lux (30 IRE: Sense-Up x4)
	B/W	0.07 Lux (30 IRE: Sense-Up x4)
Electronic Shutter Range	ELC	OFF ~ 1/10Ksec
Pan/Tilt	Speed Manual Pan	0.1° ~ 180°/sec
	Preset Pan	400°/sec (max)
	Manual Tilt	0.1° ~90°/sec
	Preset Tilt	200°/sec (max)
	Range	Panning: 360°
	Tilting	0°~180°
	Number of Auto PAN	4
	Number of Preset	128
	Number of Pattern	3
Functions	BLC	ON/OFF
	AGC	Off/LOW/HIGH
	Line Lock	INT/LINELOCK
	White Balance	ATW1/ATW2/AWC/MANUAL
	Motion Detection	ON/OFF
	Sense up	OFF / x2~x160 / 1/120~1/10K
	Remote	RS485
	Alarms	Input 4/Output 3
	WDR	128
Resolution	Horizontal	480 TV Lines
	Vertical	350 TV Lines
Video Output	VBS 1.0Vp-p	VBS 1.0Vp-p
S/N Ratio	S/N Ratio	(AGC OFF)
Lens	Focal Length	3.6 ~ 79.2mm
	Zoom ratio	22X
	Aperture Ratio	F1.6(Wide), F3.8(Tele)
	Viewing Angle	Tele: 2° 3'(H) x 1° 7'(V)
		Wide: 47° 9'(H) x 36° 9'(V)
OSD	OSD	YES
IP SECTION	Server OS	Embedded Linux
	Client OS	Win 2K/XP
	Client CPU	Pentium 1GHZ Higher
	Memory	256MB Higher
	Graphic Accelerator	Internet explorer 5.0 higher
	Compression	MPEG4 or MJPEG
Network	Ethernet	10/100 BaseT
	Network Protocols	TCP/IP, UDP/IP, HTTP, FTP, SMTP, RTP/RTSP, NTP, PPPoE
	DDNS	DHCP – Notification Support for
		Dynamic IP
	ADSL	Only PPPoE
	Video Resolution	704 x 480, 640 x 480, 352 x 240
	Video Quality	High, Medium, Low
	Performance MJPEG/MPEG4	Max 30 fps
	Users	MJPEG – 10 users
		MPEG4 – 20 users
	Access levels	Guest, Administrator, Operator, User
	Security	IP filtering
	Alarm Control	MJPEG only
	Recording	Max. 10 mins.
Environmental Conditions	Operating Temperature	-10°C ~ +50°C (14°F ~ +122°F)
	Humidity	Less than 90%
Power	Power Requirement	AC24V (60Hz)±10%
	Power Consumption	25W
	LED Indicator	Yes
Physical Specification	Dimensions	Dome: 5.79” (147ø)mm
		Outline: 6.2834” (ø) x 6.9685”(H) / 159.6(ø) x 177(H)mm
	Weight	3.75lbs/1.7Kg
Certifications	UL, FCC	

SSC-1000

IC Series Camera Controller

The SSC-1000 controller can be used to easily control the Samsung Electronics SmartDome or zoom Series cameras which include the Pan Tilt Zoom Series Dome Cameras, the High Impact Dome Cameras and Motorized Zoom Lens Cameras.

The SSC-1000 controller features a backlit LCD, four direction joystick, camera call up and camera programming buttons. The controller will manipulate up to 128 devices. It utilizes RS-485 in full or half duplex communication and up to eight SSC-1000 devices can be used in one system configuration. Programming of switching and control functions such as video switching, pan/tilt lens control, and external machinery control of the cameras in the system can be accomplished through the SSC-1000 controller.

SSC-1000

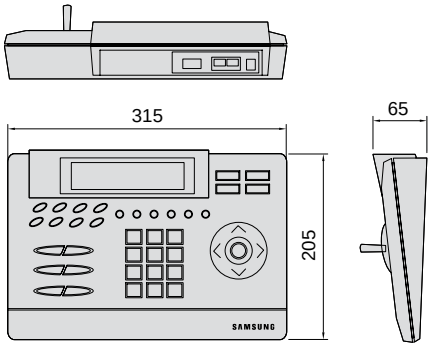
IC Series Camera Controller

DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: cml@segind.com.br

Features

- Long Distance Control: Up to 1.2km On RS-485 Communication.
- IC (Intelligent Camera) Series Controller For:
  SCC-641-Color Pan Tilt Zoom Dome Camera
  SCC-C6403-Day/Night Pan Tilt Zoom Dome Camera
  SCC-C6407- WDR, Day/Night, Pan Tilt Zoom Dome Camera
  SCC-C6475- IP, WDR, Day/Night, Pan Tilt Zoom Dome Camera
  SCC-C4301- Low Light, Motorized Zoom Camera
  SCC-C4307- WDR, Day/Night, Motorized Zoom Camera
  SCC-931T- High Impact, Color Dome Camera
  SCC-C9302(F)- WDR, Day/Night, High Impact Dome Cameras
- Controls Up To 128 Pan Tilt Zoom, Dome Cameras
- Up To 8 Qty. Of SSC-1000 Controllers In Each System

Dimensions (unit : mm)



Rear Panel

SSC-1000

Specifications

Communication	Interface Type	RS-485
	Connector Type	Modular Type x 2, D-Sub x 1
	Baud Rate	4,800/9,600/19,200/38,400 bps
	RS-485 Connector	No 3: (Yellow): DATA “+”, No 5: (Red): DATA “–”
	D-SUB Connector	No 2: DATA “+”, No 3: DATA “–”
Display	LCD	2x4 Line
	LED	Menu, Preset, Pattern, Scan, Auto Pan
		Auto Pan, Reset
Switching & Control	Video Switching	Sequence, Tour, Salvo
	Pan/Tilt & Lens Control	Pan Left/Right
		Tilt Up/Down
		Iris Open/ Close
		Focus Far/ Near
		Zoom Tele/Wide
		Preset, Auto Pan, Scan, Pattern
	External Machinery Control	Aux1, Aux2, Aux3, Aux4
Power Requirement	Power Source	DC 9V, 500mA
Physical Specification	Dimensions (W x H x D)	12.4” x 2.6” x 8” / 315 x 65 x 205 mm
	Weight	2.4lb / 1.1Kg
Certifications	UL, FCC	

SSC-2000
Touch Screen System Keyboard

The SSC-2000 controller can be used to easily control the Samsung Electronics series cameras which include the Pan Tilt Zoom Series Dome Cameras, the High Impact Dome Cameras and Motorized Zoom Lens Cameras as well as Samsung SHR series DVRs.

The SSC-2000 system keyboard can function with the traditional push button and with a touch screen graphic LCD panel. The 3-axis joystick supports control of PTZ functions as well as a jog/shuttle switch. The keyboard has pan/tilt control functions as well as lens control (zoom, focus and iris). For your convenience the keyboard has two control interface options, two RS-485 ports, or a RS-232 port. Maximum 32 keyboards can be connected simultaneously and controlled from different places.

SSC-2000

Touch Screen System Keyboard

DISTRIBUIDOR AUTORIZADO:
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Fone/Fax: (41) 3287-1364 ou 4063-9687
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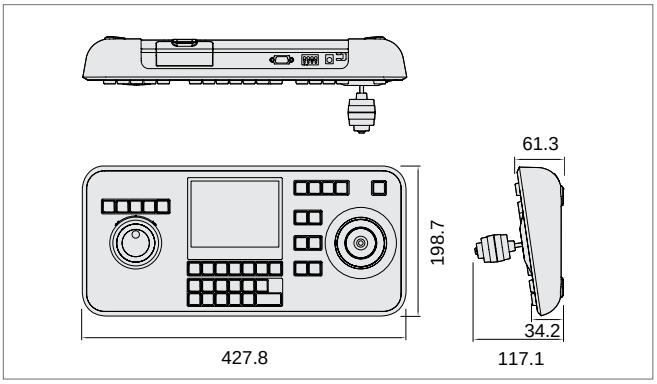
e-mail: cml@segind.com.br

Features

- Long Distance Control: Up To 1.2km On RS-485 Communication.
- Maximum 32 Keyboards Can Be Connected Simultaneously
- 5.7" Graphic Panel
- Durable 3-axis PTZ Joystick
- User Friendly Touch Screen Interface
- Camera, DVR and Multiplexer Selection
- IC (Intelligent Camera) Series Controller For:
  SCC-641-Color Pan Tilt Zoom Dome Camera
  SCC-C6403-Day/Night Pan Tilt Zoom Dome Camera
  SCC-C6407- WDR, Day/Night, Pan Tilt Zoom Dome Camera
  SCC-C6475- IP, WDR, Day/Night, Pan Tilt Zoom Dome Camera
  SCC-C4301- Low Light, Motorized Zoom Camera
  SCC-C4307- WDR, Day/Night, Motorized Zoom Camera
  SCC-931T- High Impact, Color Dome Camera
  SCC-C9302(F)- WDR, Day/Night, High Impact Dome Cameras
- Jog/Shuttle Controls

Dimensions (unit : mm)



Rear Panel

Specifications

Communication		
Interface Type (RS-485)	Connector Type	4P Terminal Type
	Port	1 Port
	Baud Rate	4,800/9,600/19,200/38,400bps
	Interface Type (RS-232C)	Connector Type: D-SUB 9P
	Port	1 Port
	Baud Rate	600/1,200/2,400/4,800/9,600/19,200/38,400/57, 600bps
LCD	Panel	5.7" Graphic Panel (320 x240 line) +Touch Panel
	Viewing Angle	Left (39°), Right (32°), Rear (10°), Front (30°)
	Inclination Angle	Min (8.4°), Max (15.9°)
LED		Monitor, Camera, Multiplexer, DVR
	Pan/Tilt & Lens Control	Pan: Left/Right
	Tilt	Up/Down
	Iris	Close/Open
	Focus	Near/Far
	Zoom	Tele/Wide
		Preset, Pattern, Auto Pan, Scan
DVR Control	SW	RW, Stop, Play, FF, REC.
	Jog/Shuttle	Forward/Reverse, Play/Reverse Play/FF/RW
Power Requirement	Power	DC12V, 600mA
	Power Consumption	Below 3W
Physical Specification	Dimensions (W x H x D)	16.8" x 7.8" x 4.6" / 427.8 x 198.7 x 117.1mm
	Weight	2.9lbs / 1.36Kg
Certifications	UL, FCC	

SmartDome & Dome Camera Accessory
Comparison Chart by Model

SHG-120 (Indoor Housing)

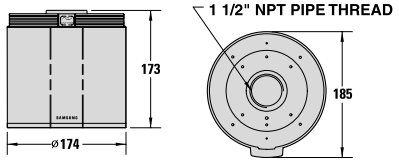
Dimension (unit :mm)

Summary

SHG-120 is applied to the installation of Smartdome camera on the wall and ceiling.

Features

- Aluminum Body



SHG-220 (Outdoor Housing)

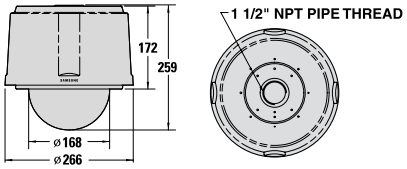
Dimension (unit :mm)

Summary

SHG-220 is applied to the installation of Smartdome camera outside the wall and ceiling. It was designed to tolerate harsh environment and earned IP 66 standards certification.

Features

- Built-in Fan & Heater
- Aluminum Body
- Clear Dome
  : high impact polycarbonate
- IP 66 Certification

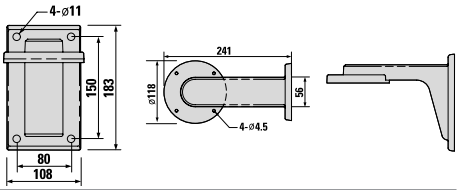


SADT-100WM/101WM/102WM (Wall Mount Adaptor)

Dimension (unit :mm)

Summary

SADT-100WM is applied when SHG-120 (Indoor housing) of SHG-220 (Outdoor housing) is installed on the outside/inside the wall. SADT-101WM/102WM are applied when SCC-931T/9302(F) (Anti-Vandal camera) are installed on the outside/inside the wall.

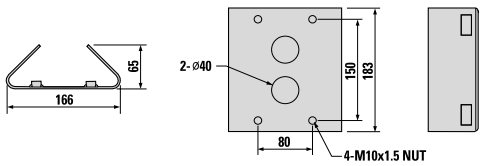


SADT-100PM (Pole Mount Adaptor)

Dimension (unit :mm)

Features

- Indoor or Outdoor Applications
- Supports up to 88 Pounds (40Kg)
- Metal body

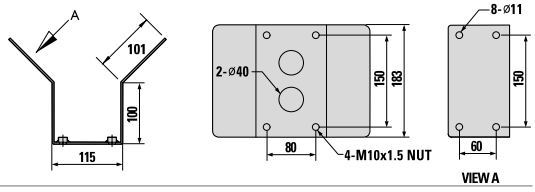


SADT-110CM (Corner Mount Adaptor)

Dimension (unit :mm)

Features

- Indoor or Outdoor Applications
- Supports up to 97 Pounds (44Kg)
- Metal body

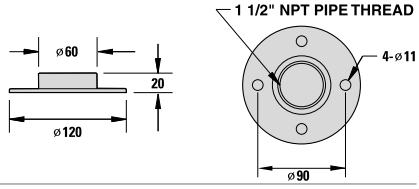


SADT-100CM (Ceiling Mount Adaptor)

Dimension (unit :mm)

Features

- Metal body
- Indoor or Outdoor Applications
- Supports up to 70 Pounds (32Kg)
- Rugged Construction

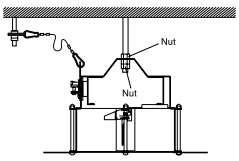


SBR-100DCM (Ceiling Mount Bracket)

Dimension (unit :mm)

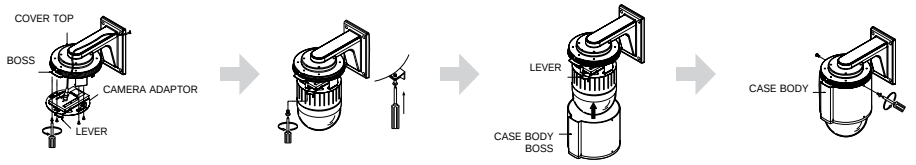
Features

- Supports up to 35 Pounds (16Kg)
- Rugged Construction
- Metal body

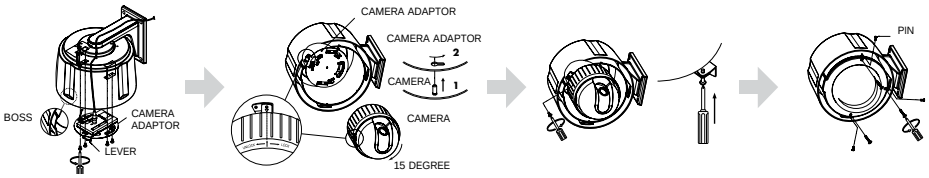


SmartDome & Dome Camera Accessory
Installation

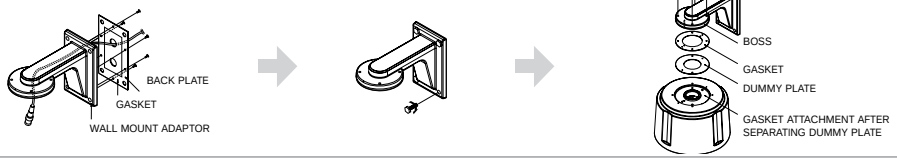
SHG-120



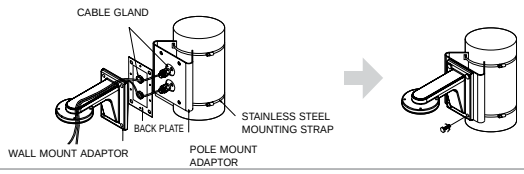
SHG-220



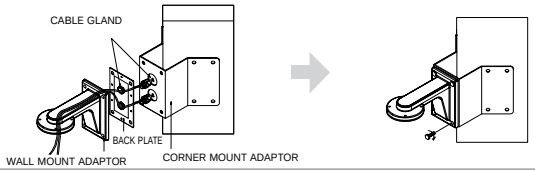
SADT-100WM/101WM



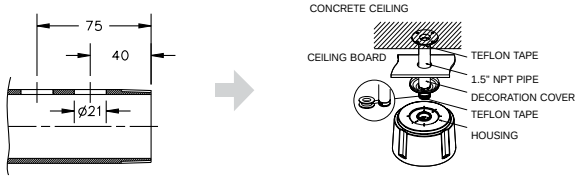
SADT-100PM



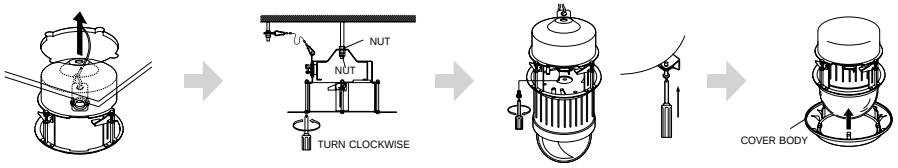
SADT-110CM



SADT-100CM



SBR-100DCM



MONITOR

Natural image, clear definition

Comparison Chart by Model

TFT-LCD Monitor

SMT-171 / SMT-190

CRT Monitor

SMC-150F / SMC-152F
SMC-211F

MONITOR

Comparison Chart by Model

TFT-LCD

Models	SMT-171	SMT-190	GV-LCD3
Spec			
Picture tube	17” TFT LCD	19” TFT LCD	3” LCD
Pixel/Stripe Pitch	0.264 x 0.264 (pixel)	0.294 x 0.294 (pixel)	N/A
Resolution	1280 x 1024 @ 60Hz	1280 x 1024 @ 60Hz	648 (H) x 146 (V)
Contrast	700:1	450:1	N/A
Brightness	300cd/m^2	400cd/m^2	N/A
Audio Output	No	No	No
S-Video	Yes	Yes	No
Voltage	DC 12V	DC 12V	DC 4.8V
Power Consumption	36W	42W	470mA
Weight	13.2lb	15.4lb	1.2lb
Case	ABS	ABS	Aluminum
Dimensions (WxHxD)	15” x 15.4” x 7.8”	17” x 16.9” x7.8”	5.25” x 4” x 1.75”

CRT

Models	SMC-150F	SMC-152F	SMC-211F
Spec			
Picture tube	15”CRT	15”CRT	21”CRT
Pixel/Stripe Pitch	0.60mm (stripe)	0.60mm (stripe)	0.74mm (stripe)
Resolution	400lines	400lines	500lines
Horizontal F Stability	15.75KHz ± 500Hz	15.75KHz ± 500Hz	15.75KHz ± 500Hz
Vertical F Stability	60Hz ± 4Hz	60Hz ± 4Hz	60Hz ± 4Hz
Audio Output	1.5W	1.5W	1.5W
S-Video	No	No	Yes
Voltage	AC90~260V	AC90~260V	AC90~260V
	50/60Hz	50/60Hz	50/60Hz
Power Consumption	50W	50W	70W
Weight	28.6lb	28.6lb	55.1lb
Case	Metal	Metal	Metal
Dimensions (WxHxD)	14.4” x 13.4” x 15.4”	14.4” x 13.4” x 15.4”	16.1” x 17.3” x 18.8”

SMT-171 / SMT-190

17”/19” TFT-LCD Monitor

DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: cml@segind.com.br

Samsung Electronics’ new line of high resolution TFT LCD monitors delivers superior image clarity for security applications. The SMT-171/190 comes standard with 3D Comb filter, CTI, NR, De-interlacing and Protection glass without adding extra cost. These versatile monitors have been designed to work with a variety of advanced security systems utilizing BNC, VGA or S-Video connectivity. Convenient handheld remote control allows for fast access and easy panel control.

SMT-171/190 uses Wide-View TFT-LCD panel, manufactured by Samsung Electronics and support VESA Standard mounts when users need to mount the flat panel on the wall. These products are compatible with various types of power sources and can be used in both NTSC and PAL environments.

SMT-171 / SMT-190

17”/19” TFT-LCD Monitor

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Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: cml@segind.com.br

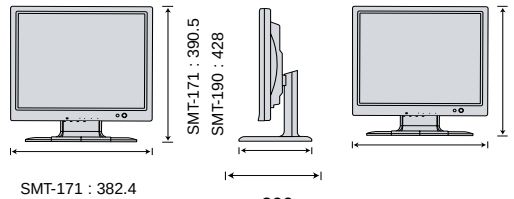
Features

- 17”, 19” TFT LCD Monitor
- High Resolution (1280 X 1024 @ 60Hz)
- NTSC
- Switch Selectable Video Inputs (2 BNC, VGA, S-Video)
- 2 BNC, 1 S-Video Loop Outs
- 3D Comb Filter, CTI, NR, De-interlacing
- High Contrast Ratio (700:1) 17” / (450:1) 19”
- High Brightness (300cd/m2) 17” / 400cd/m2 19”
- OSD
- Viewing Angles (L/R/T/B) 75/75/75/60
- Very Low Power Consumption:
  <37 Watts (SMT-171) / <43 Watts (SMT-190)
- Stable Stand
- Remote Control
- VESA Wall Mounting 100 x 100mm Compatible
- Protection Glass

Rear Panel

SMT-190 / SMT-171

Dimensions (unit : mm)



Specifications

		SMT-171	SMT-190
Picture	AM TFT	17”/ 43cm diagonal	19”/ 48cm diagonal
	Pixel Pitch (H x V)	0.264 x 0.264mm	0.294 x 0.294mm
	Active Display Area	13.3” x 10.64” (337.92 x 270.336mm)	14.82” x 11.85” / (376.32 x 301.056mm)
	Resolution	1280 x 1024 @ 60Hz	1280 x 1024 @ 60Hz
	3D De-interlacing	MDIN-180 Built-in	-
	3D Comb Filter	TW9919C Built-in	-
Video	Input	2 Channel, 1 S-Video, 1 VGA	2 Channel, 1 S-Video, 1 VGA
	Output	2 Channel, 1 S-Video	2 Channel, 1 S-Video
	Brightness	300cd/m2	400cd/m2
	Contrast Ratio	700:1	450:1
	Response Time	8ms	8ms
	Viewing angle L/R/T/B	75/75/75/60	75/75/75/60
VGA Mode		720x480, 720x576, 800x600, 60/75Hz	720x480, 720x576, 800x600, 60/75Hz
		1024x768, 1280x1024 @60Hz/75Hz	1024x768, 1280x1024 @60Hz/75Hz
Frequency	Horizontal	31KHz ~ 82KHz	31KHz ~ 82KHz
	Vertical	50Hz ~ 77Hz	50Hz ~ 75Hz
System	Mode	NTSC	NTSC
Control		Contrast, Brightness, Color	Contrast, Brightness, Color
		Tint, Sharpness and Video Input Select	Tint, Sharpness and Video Input Select
Connector Rear	Video	2 BNC Input/Outputs (Composite),	2 BNC Input/Outputs (Composite),
		1 VGA input, S-Video Input/Output	1 VGA input, S-Video Input/Output
Operating Temperature		50º~ 104º F /10º - 40º C	50º~ 104º F (10º - 40º C)
Operating Humidity		10% ~ 80%, Non-condensing	10% ~ 80%, Non-condensing
Power Source		DC 12V/4A	DC 12V/4A
Power Consumption		36W	42W
Physical Specification	Dimension (W x H x D)	15” x 15.4” x 7.8” / 382.4 x 200 x 390.5mm	17” x 16.9” x 7.8” / 430 x 200 x 428mm
Weight		13.14lbs./5.96Kg	14.57lbs./6.61Kg
Certifications		UL, FCC	

SMC-150F / SMC-152F

15” Flat Screen CRT Monitor

SMC-150/152F is a 15” color monitor housed in a metal case featuring video and audio looping. This color monitor features a sturdy construction and is specifically designed and built for security.

With 400 lines of resolution, the monitor delivers high quality video images on a 15” CRT with a flat screen. SMC-150/152F is equipped with an auto-sensing universal power supply supporting NTSC and PAL modes. Automatic 75 Ohm termination and on screen display programming make this monitor an ideal choice for system integration and other viewing environments. SMC monitor series by Samsung Electronics are world renowned for their high quality video image.

SMC-150F / SMC-152F

15” Flat Screen CRT Monitor

Features

- 15” Flat CRT monitor
- 400 TV Lines Resolution
- NTSC/PAL Modes
- Automatic 75 Ohm Termination
- Switch Selectable Looping Video Inputs (2 BNC, 1 VCR), SMC-150F
- Switch Selectable Video Inputs (4 BNC, 1 VCR), SMC-152F
- Maximum 1.5W Speaker Output
- Auto Switching Sequence With Interval Selection, SMC-152F
- Rugged Metal Cabinet

Accessories

RECOMMENDED MONITOR MOUNTS

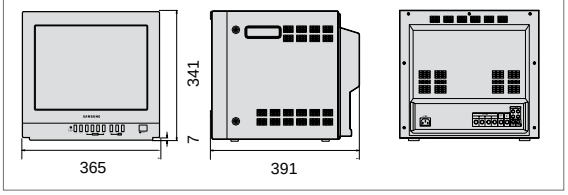
GV-CMM1, Ceiling Mount for 12~21” Monitors

GV-MM2, Ceiling Mount for 12~21” Monitors

Rear Panel

SMC-150F SMC-152F

Dimensions (unit : mm)



SMC-150/152(F)

Specifications

		SMC-150F	SMC-152F
Picture	CRT	15”/ 38cm Diagonal,	15”/ 38cm Diagonal,
		0.6mm Stripe Pitch, 90º Deflection	0.6mm Stripe Pitch, 90º Deflection
	Resolution	400 TV lines	400 TV lines
Video	Input	2 Channel, 1 VCR (1Vp-p 75 ohm)	4 Channel, 1 VCR (1Vp-p 75 ohm)
	Output	2 Channel (1Vp-p 75 ohm)	1 Channel (1Vp-p 75 ohm)
Audio	Input	2 Channel RCA, 1 VCR RCA	4 Channel RCA, 1 VCR RCA
	Output	2 Channel RCA	1 Channel RCA
	Speaker Output	1.5W Max.	1.5W Max.
System	Modes	NTSC & PAL	NTSC & PAL
Control	Front	Volume, Contrast, Brightness, Color	Volume, Contrast, Brightness, Color
		Tint, Sharpness and Input Select	Tint, Sharpness and Input Select
Connector Rear	Video	2 BNC Input/Outputs (Composite),	4 BNC Input/Outputs (Composite),
		1 BNC VCR Input	1 BNC VCR Input
	Audio	2 RCA Input/Outputs	4 RCA Input/Outputs
		1 RCA VCR Input	1 RCA VCR Input
Stabilization	Horizontal	Pull in Range ± 500Hz	Pull in Range ± 500Hz
		Holding Range ± 500Hz	Holding Range ± 500Hz
	Vertical	Pull in Range ± 4 Hz	Pull in Range ± 4 Hz
		Holding Range ± 4 Hz	Holding Range ± 4 Hz
	Sub carrier	Pull in Range ± 400Hz	Pull in Range ± 400Hz
		Holding Range ± 400Hz	Holding Range ± 400Hz
Convergence	Center	Less Than 0.4mm	Less Than 0.4mm
Operating Temperature		14º~ 122º F /-10º - +50º C	14º~ 122º F (-10º - +50º C)
Operating Humidity		10% ~ 90%	10% ~ 90%
Power Source		120VAC, 60Hz/230VAC, 50Hz	120VAC, 60Hz/230VAC, 50Hz
Power Consumption		50W	50W
Physical Specification	Dimension (W x H x D)	14.37” x 15.39 x 13.46” / 365 x 391 x 342mm	14.37” x 15.39 x 13.46” / 365 x 391 x 342mm
	Weight	36.38lbs./16.5Kg	36.38lbs./16.5Kg
Certifications		UL, FCC	UL, FCC

SMC-211F

21” Flat Screen Color Monitor

DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: crnl@segind.com.br

SMC-211F is a 21” color monitor housed in a metal case featuring built-in digital comb filter, video and audio looping. This color monitor features a sturdy construction and is specifically designed and built for security.

With 500 lines of resolution, this monitor delivers high quality video images on a 21” CRT flat screen. SMC-211F is equipped with an auto-sensing universal power supply supporting NTSC and PAL modes. Automatic 75 Ohm termination and on screen display-programming make this monitor an ideal choice for system integration and other viewing environments. SMC monitor series by Samsung Electronics are world renowned for the high quality video image.

SMC-211F

21” Flat Screen Color Monitor

DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: cml@segind.com.br

Features

- 21” Flat CRT
- 500 TV Lines of Horizontal Resolution
- Comb Filter
- NTSC/PAL Modes
- Automatic 75 ohm Termination
- Selectable looping Video Inputs (2 BNC)
- Maximum 1.5W Speaker Output
- Rugged Metal Cabinet

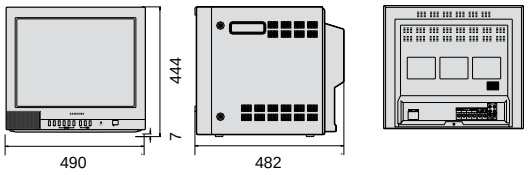
Accessories

RECOMMENDED MONITOR MOUNTS
GV-CMM1, Ceiling Mount For 12~21” Monitors
GV-MM2, Ceiling Mount For 12~21” Monitors

Rear Panel

SMC-211F

Dimensions (unit : mm)



SMC-211F

Specifications

Picture	CRT	21”/ 53cm diagonal, .74mm stripe pitch, 90º deflection
	Resolution	500 TV lines
Video	Input	2 Channel, 1 S-Video
	Output	2 Channel (1Vp-p 75 ohm)
Audio	Input	2 Channel RCA
	Output	2 Channel RCA
	Speaker Output	1.5W Max.
System	Modes	NTSC & PAL
Control	Front	Volume, Contrast, Brightness, Color
		Tint, Sharpness and Input Select
Connector Rear	Video	2 BNC Input/Outputs (Composite),
		1 S-Video Input
Audio		2 RCA Input/Outputs
Stabilization	Horizontal	Pull in range ± 500Hz
		Holding range ± 500Hz
	Vertical	Pull in range ± 4 Hz
		Holding range ± 4 Hz
	Sub carrier	Pull in range ± 400Hz
		Holding range ± 400Hz
Convergence	Center	less than .5mm
Operating Temperature		14º~ 122º F (-10º - +50º C)
Operating Humidity		10% ~ 90%
Power Source		120VAC, 60Hz/230VAC, 50Hz
Power Consumption		60W
Physical Specification	Dimension (W x H x D)	19.29” x 17.48 x 18.98” / 490 x 444 x 482mm
	Weight	55lbs./25Kg
Certifications	UL, FCC, IC	

RECORDERS

Natural image, clear definition

Comparison Chart by Model

Standalone DVR

SHR-2040 / SHR-2042
SHR-2080 / SHR-2082
SHR-2160 / SHR-2162
SHR-4081
SHR-4160
GV-EM130DD
GV-EM412DD

Real Time VCR

SVR-960A

DVR Comparison Chart by Model

Stand Alone DVRs

Models	SHR-2040	SHR-2042	SHR-2080	SHR-2082
Spec.				
HDD Basic	250GB	250GB	250GB	250GB
Max. Expansion	500GB x 3	500GB x 2	500GB x 4	500GB x 3
Display Speed (ips)	120ips	120ips	240ips	240ips
Recording Speed	120ips	120ips	120ips	120ips
Remote Control	RS-485 (PTZ)	RS-485 (PTZ)	RS-485 (PTZ)	RS-485 (PTZ)
Data Back Up	USB / External CD-RW	USB/Built-in CD-RW	USB/ External CD-RW	USB/Built-in CD-RW
Multiplex Function	Triplex	Triplex	Triplex	Triplex
Power Requirements	12VDC, 4.5A	AC100~240V, 50/60Hz	AC100~240V,50 / 60HZ	AC100~240V,50 / 60Hz
Weight lb	7.3	16.1	14.3	16.1
Dimensions in (WxHxD)	84.5 x 3.5 x 13.3	16.9 x 3.5 x 15.7	16.9 x 3.5 x 15.7	16.9 x 3.5 x 15.7

Stand Alone DVRs

Models	SHR-2160	SHR-2162	SHR-4081	SHR-4160
Spec.				
HDD Basic	250GB	250GB	250GB	250GB
Max. Expansion	500GB x 4	500GB x 3	250GB x 4	250GB x 4
Display Speed (ips)	480ips	480ips	240ips	480ips
Recording Speed	120ips	120ips	240ips	360ips
Remote Control	RS-485 (PTZ)	RS-485 (PTZ)	RS-485 (PTZ)	RS-485 (PTZ)
Data Back Up	USB/ External CD-RW	USB/Built-in CD-RW	Ultra SCSI / IEEE-1394	Ultra SCSI / IEEE-1394
Multiplex Function	Triplex	Triplex	Triplex	Triplex
Power Requirements	AC100~240V,50 / 60Hz	AC100~240V,50 / 60Hz	AC100~240V,50 / 60Hz	AC100~240V,50 / 60Hz
Weight lb	14.3	16.1	14.3	14.3
Dimensions in (WxHxD)	16.9 x 3.5 x 15.7	16.9 x 3.5 x 15.7	16.9 x 3.5x15.7	16.9 x 3.5 x 15.7

Removable Hard Drive DVRs

Models	GV-EM130DD	GV-EM412DD	GV-EM412M
Spec.			(Metal Case Included)
Max. Expansion	500GB	500GB	500GB
Display Speed (IPS)	30ips	120ips	120ips
Recording Speed	30ips	120ips	120ips
Remote Control Wired	N/A	N/A	Yes
Data Backup	Compact Flash, Network and Removable HDD	Compact Flash, Network and Removable HDD	Compact Flash, Network and Removable HDD
Multiplex Functions	Simplex	Simplex	Simplex
Power Requirements	12Vdc Power Supply Included	12Vdc Power Supply Included	12Vdc
Weight lb	7.1	7.3	7.7
Dimensions (WxDxH)	6.3 x 9.8 x 3.5	6.3 x 9.8 x 3.5	6.3 x 9.8 x 3.5

GV-VB-59SP

2 Wire Video Transceiver Over CAT5

The two wire video transceiver video balun is a surge protected tool-less terminal/BNC connector that enables you to transmit color images 2200 feet and B/W images 2500 feet over CAT5 cable. No screws or tools are required for installation.

SHR-2040 / SHR-2042

4 Channel Standalone Digital Video Recorder

The SHR-2040/ SHR-2042 is a 4 channel Improved MPEG-4 Digital Video Recorder capable of recording 120ips in CIF mode. The SHR-2040/ SHR-2042 operates in Triplex mode (monitoring/playback/recording) and can also record synchronized audio on 4 channels at selectable resolutions CIF & Half D1. Minimum file size is 2.5Kbyte @ CIF: 352x240, Half D1: 720x240. Each channel can independently record at variable rates helping reduce HDD storage.

The SHR-2040/ SHR-2042 includes built-in front USB 2.0 slot for expanded external storage. The USB 2.0 slot can be used for internal HDD expansion or external Back Up storage. It can also be used with a memory stick adding speed and convenience to video clip downloads.

SHR-2040 / SHR-2042

4 Channel Standalone Digital Video Recorder

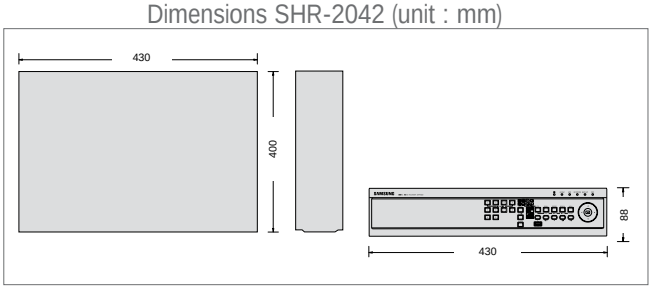
Features

- Four Channel DVR
- Triplex Operation (Monitoring/Playback/Recording)
- Resolution: CIF, Half D1
- Improved MPEG-4 (Compression)
  (Min. File Size 2.5K)
- Recording Rate: Max. 120ips (CIF)
- Built In CD-RW, USB 2.0
- Back Up: USB HDD, CD-RW (SHR-2042 Only), Memory
- Audio Recording: 4 IN/1 OUT
- Motion Detection
- PTZ Control
- Loop Through Video
- Ethernet 10/100 Base T
- DDNS support (Multiple Options)
- Available Without CD-RW As SHR-2040
- Audio Through Internet Supported

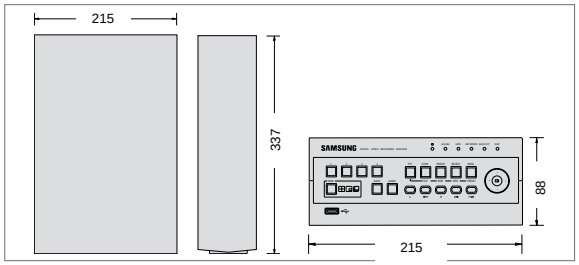
Accessories

ADDITIONAL HARD DRIVES
GV-160GBHD, 160GB Fixed Hard Drive
GV-250GBHD, 250GB Fixed Hard Drive
GV-500GBHD, 500GB Fixed Hard Drive

Dimensions SHR-2042 (unit : mm)



Dimensions SHR-2040 (unit : mm)



Specifications

DVR Type		4 Channel Video Input
Operating System		Embedded OS
Storage	Internal	250GB
	Internal capacity	500GB x 3 (SHR-2040)
		500GB x 2 (SHR-2042)
	External	USB HDD 250GB (optional)
Video	Input	4 Channel, (1Vp-p unbalanced, 75 ohm)
	Output	4 Channel, (1Vp-p unbalanced, 75 ohm)
		Main, Spot, S-Video, VGA
	Compression	MPEG4
	Display Resolution	720x480
	Display Speed	120IPS
	Display Modes	Single, Quad, Auto Sequence
Compression Rate	Low	2.4KB (352x240, 6.3KB (720x240)
	Standard	3.9KB (352x240), 10KB (720x240)
	High	5KB (352x240), 13.2KB (720x240)
	Very High	6.7KB (352x240), 17.2KB (720x240)
Audio	Compression	ADPCM
	Input	4 Channel, -5dBm
	Output	1 Channel, -6dBm
	Signal/Noise	Above 40db
Recording Modes		Manual, Schedule, Event (Alarm, Motion, Video Loss, Pre & Post)
	Speeds	NTSC: 1ips/3ips/5ips/7.5ips/10ips/15ips/30ips
	Resolution Speed	CIF © 30ips max. (352x240)
		Half D1 (N) 15ips max. (720x288)
Search	Methods	Event/Time & Date/First/Last/Backup
Controls		Mode/Play/Rec/Stop/Still/Fast Fwd/
		Rewind/PTZ/Menu/Audio
		Alarm/Search/CDRW Eject (SHR-2042 only)
Special Features		Motion Detection (Area & Sensitivity selectable),
		PIP, PTZ Control & 20 Presets, Digital Zoom x2,
		DST, Password Protected
Connector Rear	Video	4 BNC Input/Outputs (Composite), VGA, S-Video
		BNC Main, BNC Spot
	Audio	4 RCA Input/1 RCA Output
	Alarm	In/Out/Reset/Gnd
	Communication	RS-485, RS-232
	Network	RJ-45
	USB 2.0	One
Network	Ethernet	10/100 Base T, ADSL (PPPoE), DHCP, DDNS
Backup	USB	External HDD, CD/DVD Writer, Flash Memory
		Internal CD-RW (SHR-2042)
Alarm	Input	4, 5mA
	Output	2, Relay Output
	Reset	1, 5mA
OSD		Yes
Remote Viewer	OS	Win98se, WinME, Win2000, WinXP
Operating Temperature		41º ~ 104º F (0º ~ 40º C)
Operating Humidity		20 ~ 85% RH
Power	Power Source	110-220 VAC, 12VDC (SHR-2040)
	Power Consumption	51W (SHR-2042) / (30W for SHR-2040)
Physical Specifications	Dimension (W x H x D)	16.93" x 3.46" x 15.75" / 430 x 88 x 400mm (SHR-2042)
		8.46" x 3.46" x 13.27" / 215 x 88 x 337mm (SHR-2040)
	Weight	16lbs./7.3Kg (SHR-2042) / 7.39lbs. / 3.35Kg (SHR-2040)
Certifications	UL, FCC, IC	

SHR-2080 / SHR-2082

8-Channel Standalone Digital Video Recorder

The SHR-2080/SHR-2082 is an 8 channel Improved MPEG-4 Digital Video Recorder capable of recording 120ips in CIF mode. The SHR-2080/SHR-2082 operates in Triplex mode (monitoring/playback/recording) and can also record synchronized audio on 4 channels at selectable resolutions CIF & Half D1. Minimum file size is 3Kbyte @ CIF: 352x240, 5.4Kbyte @ Half D1: 720x240. Each channel can independently record at variable rates helping reduce HDD storage.

The SHR-2080/SHR-2082 includes built-in front USB 2.0 slot for expanded external storage. The USB 2.0 slot can be used for internal HDD expansion or external Back Up storage. It can also be used with a memory stick adding speed and convenience to video clip downloads.

SHR-2080 / SHR-2082

8-Channel Standalone Digital Video Recorder

Features

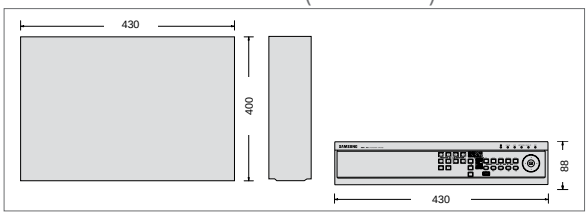
- Eight Channel DVR
- Triplex Operation (Monitoring/Playback/Recording)
- Resolution: CIF, Half D1
- Improved MPEG-4 (Compression) (Min. File Size 3K)
- Recording Rate: Max. 120ips (CIF)
- Built In CD-RW, USB 2.0
- Back Up: USB HDD, CD-RW, Memory
- Audio Recording: 4 IN/1 OUT
- Motion Detection
- PTZ Control
- Loop Through Video
- Ethernet 10/100 Base T
- DDNS Support (Multiple Options)
- Audio Through Internet Supported
- Available Without CD-RW as SHR-2080
- Remote Controller

Accessories

ADDITIONAL HARD DRIVES

GV-160GBHD, 160GB Fixed Hard Drive
GV-250GBHD, 250GB Fixed Hard Drive
GV-500GBHD, 500GB Fixed Hard Drive

Dimensions (unit : mm)



SHR-2080 / SHR-2082

Specifications

DVR Type		8 Channel Video Input
Operating System		Embedded OS
Storage	Internal	250GB
	Internal capacity	500GB x 3 (SHR-2082)
		500GB x 4 (SHR-2080)
	External	USB HDD 250GB (optional)
Video	Input	8 Channel, (1Vp-p unbalanced, 75 ohm)
	Output	8 Channel, (1Vp-p unbalanced, 75 ohm)
		Main, Spot, S-Video, VGA
	Compression	MPEG4
	Display Resolution	720x480
	Display Speed	240IPS
	Display Modes	Single, Quad, 6,7,8,9, Auto Sequence
Compression Rate	Low	3KB (352x240, 5.4KB (720x240)
	Standard	4KB (352x240), 8.5KB (720x240)
	High	6.4KB (352x240), 11.25KB (720x240)
	Very High	8.5KB (352x240), 14.6KB (720x240)
Audio	Compression	ADPCM
	Input	4 Channel, -5dBm
	Output	1 Channel, -6dBm
	Signal/Noise	Above 40db
Recording Modes		Manual, Schedule, Event (Alarm, Motion,
		Video Loss, Pre & Post)
	Speeds	NTSC: .9ips/1.9ips/3.8ips/7.5ips/15ips/30ips
	Resolution Speed	CIF © 30ips max. (352x240)
		Half D1 (N) 15ips max. (720x288)
Search	Methods	Event/Time & Date/First/Last/Backup
Controls		Mode/Play/Rec/Stop/Still/Fast Fwd/
		Rewind/PTZ/Menu/Audio
		Alarm/Search/CDRW Eject (SHR-2082 only)
Special Features		Motion Detection (Area & Sensitivity selectable),
		PIP, PTZ Control & 20 Presets, Digital Zoom x2, DST,
		Password Protected, Infrared Remote Control
Connector Rear	Video	8 BNC Input/Outputs (Composite), VGA, S-Video
		BNC Main, BNC Spot
	Audio	4 RCA Input/1 RCA Output
	Alarm	In/Out/Reset/Gnd
	Communication	RS-485, RS-232
	Network	RJ-45
	USB 2.0	One
Network	Ethernet	10/100 Base T, ADSL (PPPoE), DHCP, DDNS
Backup	USB	External HDD, CD/DVD Writer, Flash Memory
		Internal CDRW (only in SHR-2082)
Alarm	Input	8, 5mA
	Output	4, Relay Output
	Reset	1, 5mA
OSD		Yes
Remote Viewer	OS	Win98se, WinME, Win2000, WinXP
Operating Temperature		41º ~ 104º F (0º ~ 40º C)
Operating Humidity		20 ~ 85% RH
Power	Power Source	110-220 VAC
	Power Consumption	56W (SHR-2080) / 60W (SHR-2082)
Physical Specifications	Dimension (W x H x D)	16.93" x 3.46" x 15.75" (430 x 88 x 400mm)
	Weight	14.33lbs./6.5Kg (SHR-2080) / 16.1lb / 7.3Kg (SHR-2082)
Certifications	UL, FCC, IC	

SHR-2160 / SHR-2162

16-Channel Standalone Digital Video Recorder

The SHR-2160/SHR-2162 is a sixteen channel Improved MPEG-4 Digital Video Recorder capable of recording 120ips in CIF mode. The SHR-2160/SHR-2162 operates in Triplex mode (monitoring/playback/recording) and can also record synchronized audio on 4 channels at selectable resolutions CIF & Half D1. Minimum file size is 3.75Kbyte @ CIF: 352x240, 6.5Kbyte @ Half D1: 720x240. Each channel can independently record at variable rates helping reduce HDD storage.

The SHR-2160/SHR-2162 includes built-in front USB 2.0 & CD-RW for expanded external storage. The USB 2.0 slot can be used for internal HDD expansion or external Back Up storage. It can also be used with a memory stick adding speed and convenience to video clip downloads.

SHR-2160 / SHR-2162

16-Channel Standalone Digital Video Recorder

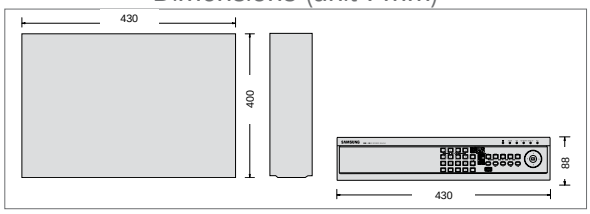
Features

- Sixteen Channel DVR
- Triplex Operation (Monitoring/Playback/Recording)
- Resolution: CIF, Half D1
- Improved MPEG-4 (Compression) (Min. File Size 3.75K)
- Recording Rate: Max. 120ips (CIF)
- Built In CD-RW, USB 2.0
- Back Up: USB HDD, CD-RW, Memory
- Audio Recording: 4 IN/1 OUT
- Motion Detection
- PTZ Control
- Loop Through Video
- Ethernet 10/100 Base T
- DDNS Support (Multiple Options)
- Audio Through Internet Supported
- Available Without CD-RW as SHR-2160
- Remote Controller

Accessories

ADDITIONAL HARD DRIVES
GV-160GBHD, 160GB Fixed Hard Drive
GV-250GBHD, 250GB Fixed Hard Drive
GV-500GBHD, 500GB Fixed Hard Drive

Dimensions (unit : mm)



SHR-2160 / SHR-2162

Specifications

DVR Type		16 Channel Video Input
Operating System		Embedded OS
Storage	Internal	250GB
	Internal capacity	500GB x 3 (SHR-2162)
		500GB x 4 (SHR-2160)
	External	USB HDD 250GB (optional)
Video	Input	16 Channel, (1Vp-p unbalanced, 75 ohm)
	Output	16 Channel, (1Vp-p unbalanced, 75 ohm)
		Main, Spot, S-Video, VGA
	Compression	MPEG4
	Display Resolution	720x480
	Display Speed	480IPS
	Display Modes	Single, Quad, 6,7,8,9,16, Auto Sequence
Compression Rate	Low	3.75KB (352x240, 6.5KB (720x240)
	Standard	6KB (352x240), 10.25KB (720x240)
	High	7.6KB (352x240), 13.5KB (720x240)
	Very High	10.25KB (352x240), 17.6KB (720x240)
Audio	Compression	ADPCM
	Input	4 Channel, -5dBm
	Output	1 Channel, -6dBm
	Signal/Noise	Above 40db
Recording Modes		Manual, Schedule, Event (Alarm, Motion, Video Loss, Pre & Post)
	Speeds	NTSC: .9ips/1.9ips/3.8ips/7.5ips/15ips/30ips
	Resolution Speed	CIF © 30ips max. (352x240)
		Half D1 (N) 15ips max. (720x288)
Search	Methods	Event/Time & Date/ First/Last/Backup
Controls		Mode/Play/Rec/Stop/Still/Fast Fwd/ Rewind/PTZ/Menu/Audio / Alarm/Search
Special Features		Motion Detection (Area & Sensitivity selectable), PIP, PTZ Control & 20 Presets, Digital Zoom x2, DST, Password Protected, Infrared Remote Control
Connector Rear	Video	16 BNC Input/Outputs (Composite), VGA, S-Video BNC Main, BNC Spot
	Audio	4 RCA Input/1 RCA Output
	Alarm	In/Out/Reset/Gnd
	Communication	RS-485, RS-232
	Network	RJ-45
	USB 2.0	One
Network	Ethernet	10/100 Base T, ADSL (PPPoE), DHCP, DDNS
Backup	USB	External HDD, CD/DVD Writer, Flash Memory
		Internal CD-RW (SHR-2162)
Alarm	Input	16, 5mA
	Output	4, Relay Output
	Reset	1, 5mA
OSD		Yes
Remote Viewer	OS	Win98se, WinME, Win2000, WinXP
Operating Temperature		41º ~ 104º F (0º ~ 40º C)
Operating Humidity		20 ~ 85% RH
Power	Power Source	110-220 VAC
	Power Consumption	56W (SHR-2160) / 60W (SHR-2162)
Physical Specifications	Dimension (W x H x D)	16.93" x 3.46"x 15.75" (430 x 88 x 400mm)
	Weight	14.3lb / 6.4Kg (SHR-2160) / 16.1lb / 7.3Kg (SHR-2162)
Certifications	UL, FCC, IC	

SHR-4081

Real Time 8 Ch Standalone Digital Video Recorder

SHR-4081 is an 8-channel MPEG-4 real time Digital Video Recorder capable of 240ips recording rate in CIF mode. It can also record 8 channels of synchronized audio and various kinds of resolutions in different modes, such as CIF: 352x240, Half D1: 720x240 and Full D1: 720x480.

Each channel can be individually adjusted at a variable record rate which will help save HDD storage. Available external interface methods are USB 2.0(Front: 1, Rear: 1) and IEEE1394.

SHR-4081

Real Time 8 Ch Standalone Digital Video Recorder

Features

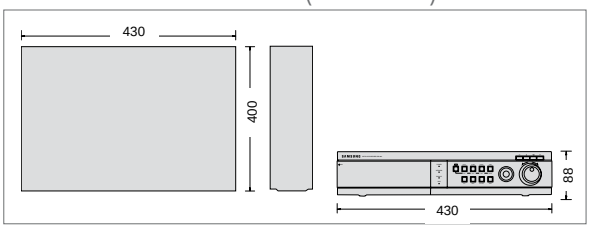
- Eight Channel DVR
- Triplex Operation (Monitoring/Playback/Recording)
- Resolution: CIF, Half D1, Full D1
- Improved MPEG-4 (Compression) (Min. File Size 3.3K)
- Recording Rate: Max. 240ips (CIF)
- Built In, USB 2.0 & IEEE-1394 interface
- Back Up: USB HDD, IEEE-1394, Memory
- Audio Recording: 8 IN/1 OUT
- Motion Detection
- PTZ Control
- Loop Through Video
- Ethernet 10/100 Base T

* Unit can record 720x480 in 1 Ch mode

Accessories

ADDITIONAL HARD DRIVES
GV-160GBHD, 160GB Fixed Hard Drive
GV-250GBHD, 250GB Fixed Hard Drive

Dimensions (unit : mm)



Specifications

DVR Type		8 Channel Video Input
Operating System		Embedded OS
Storage	Internal	250GB
	Internal capacity	250GB x 4, PATA
	External	HDD 250GB (optional)
		IEEE-1394 250GB x 6 Max. (optional)
Video	Input	8 Channel, (1Vp-p Unbalanced, 75 ohm)
	Output	8 Channel, (1Vp-p Unbalanced, 75 ohm)
		Main, Spot, S-Video, VGA
	Compression	MPEG4
	Display Resolution	720x480
	Display Speed	240IPS
	Display Modes	Single, Quad, 6,7,8,9, Auto Sequence, PIP, 2X Zoom
Compression Rate	Low	3.3KB (352x240), 4.3KB (720x240),
		9.KB (720x480) Min. rate
	Standard	4.1KB (352x240), 5.7KB (720x240),
		11.4KB (720x480) Min. rate
	High	4.9KB (352x240), 6.9KB (720x240),
		13.8KB (720x480) Min. rate
	Very High	6.1KB (352x240), 8.1KB (720x240),
		16.3KB (720x480) Min. rate
Audio	Compression	G.726
	Input	8 Channel, Mono, -5db, 600 ohms
	Output	1 Channel, Mono, -6db
	Signal/Noise	Above 40db
Recording Modes		Manual, Panic, Schedule, Event (Alarm, Motion,
		Video Loss, Pre & Post), Panic
	Speeds	NTSC: 1ips/3ips/5ips/7.5ips/10ips/15ips/30ips
	Resolution Speed	CIF © 30ips max. (352x240)
		Half D1 (N) 15ips max. (720x240)
		Full D1 7.5ips max (720x480)
Search	Methods	Event/Time & Date/Panic/First/Last/Backup
Controls		Jog/Shuttle/Mode/Play/Rec/Panic/Stop/
		Still/Fast Fwd/Rewind/PTZ/Menu/Audio
		Alarm/Search
Special Features		Motion Detection (Area & Sensitivity selectable),
		PIP, PTZ Control & 20 Presets, Digital Zoom x2,
		DST, Password Protected
Connector Rear	Video	8 BNC Input/Outputs (Composite), VGA, S-Video
		BNC Main, BNC Spot
	Audio	8 RCA Input/1 RCA Output
	Alarm	In/Out/Reset/Gnd
	Communication	RS-485, RS-232
	Network	RJ-45
	USB 2.0	One
	IEEE-1394	One
Network	Ethernet	10/100 Base T, ADSL (PPPoE), DHCP
Backup	USB	CD/DVD Writer, Flash Memory
	IEEE-1394	HDD (6 Max.)
Alarm	Input	8, 5mA
	Output	4, Relay Output
	Reset	1, 5mA
OSD		Yes
Remote Viewer	OS	Win98se, WinME, Win2000, WinXP
Operating Temperature		41º ~ 104º F (0º ~ 40º C)
Operating Humidity		20 ~ 85% RH
Power Source		120 VAC
Power Consumption		85W
Physical Specifications	Dimension (W x H x D)	16.93" x 3.46" x 15.75" (430 x 88 x 400mm)
	Weight	15.65lbs./7.1Kg
Certifications	UL, FCC, IC	

SHR-4160

16 Channel Standalone Digital Video Recorder

SHR-4160 is a 16-channel MPEG-4 real time Digital Video Recorder capable of 360ips recording rate in CIF mode. It can also record 8 channels of synchronized audio and various kinds of resolutions in different modes, such as CIF: 352x240, Half D1: 720x240 and Full D1: 720x480.

Each channel can be individually adjusted at a variable record rate which will help save HDD storage. Available external interface methods are USB 2.0(Front:1, Rear:1) and IEEE1394.

SHR-4160

16 Channel Standalone Digital Video Recorder

Features

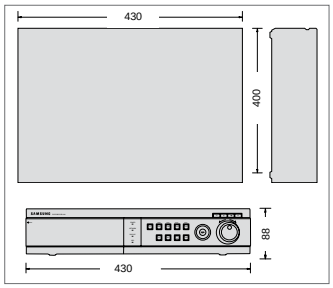
- Sixteen Channel DVR
- Triplex Operation (Monitoring/Playback/Recording)
- Resolution: CIF, Half D1, Full D1
- Improved MPEG-4 (Compression) (Min. File Size 3.3K)
- Recording Rate: Max. 360ips (CIF)
- Built In, USB 2.0 & IEEE-1394 Interface
- Back Up: USB HDD, IEEE-1394, Memory
- Audio Recording: 8 IN/1 OUT
- Motion Detection
- PTZ Control
- Loop Through Video
- Ethernet 10/100 Base T

* Unit can record 720x480 on 1 Ch mode

Accessories

ADDITIONAL HARD DRIVES
GV-160GBHD, 160GB Fixed Hard Drive
GV-250GBHD, 250GB Fixed Hard Drive

Dimensions (unit : mm)



Specifications

DVR Type		16 Channel Video Input
Operating System	Embedded OS	Embedded OS
Storage	Internal	250GB
	Internal capacity	250GB x 4, PATA
	External	SCSI HDD 250GB (optional)
		IEEE-1394 250GB x 6 Max. (optional)
Video	Input	16 Channel, (1Vp-p unbalanced, 75 ohm)
	Output	16 Channel, (1Vp-p unbalanced, 75 ohm)
		Main, Spot, S-Video, VGA
	Compression	MPEG4
	Display Resolution	720x480
	Display Speed	480IPS
	Display Modes	Single, Quad, 6,7,8,9, 16, Auto Sequence, PIP, 2X Zoom
Compression Rate	Low	3.3KB (352x240), 4.3KB (720x240),
		9.KB (720x480) Min. rate
	Standard	4.1KB (352x240), 5.7KB (720x240),
		11.4KB (720x480) Min. Rate
	High	4.9KB (352x240), 6.9KB (720x240),
		13.8KB (720x480) Min. rate
	Very High	6.1KB (352x240), 8.1KB (720x240),
		16.3KB (720x480) Min. Rate
Audio	Compression	G.726
Input	8 Channel	Mono -5db, 600 ohms
	Output	1 Channel Mono -6db
	Signal/Noise	Above 40db
Recording Modes		Manual, Panic, Schedule, Event (Alarm, Motion,
		Video Loss, Pre & Post), Panic
	Speeds	NTSC: 1ips/3ips/5ips/7.5ips/10ips/15ips/30ips
	Resolution Speed	CIF © 30ips max. (352x240)
		Half D1 (N) 15ips max. (720x240)
		Full D1 7.5ips max (720x480)
Search	Methods	Event/Time & Date/Panic/First/Last/Backup
Controls		Jog/Shuttle/Mode/Play/Rec/Panic/Stop/
		Still/Fast Fwd/Rewind/PTZ/Menu/Audio
		Alarm/Search
Special Features		Motion Detection (Area & Sensitivity selectable),
		PIP, PTZ Control & 20 Presets, Digital Zoom x2,
		DST, Password Protected
Connector Rear	Video	16 BNC Input/Outputs (Composite), VGA,
		S-Video BNC Main, BNC Spot
	Audio	8 RCA Input/1 RCA Output
	Alarm	In/Out/Reset/Gnd
	Communication	RS-485, RS-232
	Network	RJ-45
	USB 2.0	One
	IEEE-1394	One
Network	Ethernet	10/100 Base T, ADSL (PPPoE), DHCP
Backup	USB	External HDD, CD/DVD Writer, Flash Memory
	IEEE-1394	HDD (6 Max.)
Alarm		Input 8, 5mA
	Output	4, Relay Output
	Reset	1, 5mA
OSD		Yes
Remote Viewer	OS	Win98se, WinME, Win2000, WinXP
Operating Temperature		41º ~ 104º F (0º ~ 40º C)
Operating Humidity		20 ~ 85% RH
Power Source		120 VAC
Power Consumption		85W
Physical Specifications	Dimension (W x H x D)	16.93" x 3.46" x 15.75"
		430 x 88 x 400mm
	Weight	15.65lbs./7.1Kg
Certifications	UL, FCC, IC	

GV-EM130DD / GV-EM412DD

1 Ch and 4 Ch Digital Video Recorders with Removable Hard Drive

The GV-EM130DD (1 Channel) and GV-EM412DD (4 Channel) are cost effective DVRs that record on a removable hard-disk drive and are equipped with a compact flash memory slot. With optional accessories, the GV-EM Series can also be used as a mobile DVR with a separate control panel for remote monitoring and control. LAN connectivity is standard in the GV-EM series and it also features smooth motion and clear playback.

The units come bundled with DVR reader software that allows you to view DVR video on a PC. Taking out the removable hard-drive and placing it in a PC that contains a compatible removable hard-drive bay* (*removable hard-drive bay is optional), will allow playback of video using the DVR reader software.

The DVR reader software also saves images in AVI, MPEG, or BMP file formats. The “Heart-Beat” rebooting feature makes the unit rock solid reliable in the event of recovering after a system halt.

GV-EM130DD / GV-EM412DD

1 Ch and 4 Ch Digital Video Recorders with Removable Hard Drive

Features

- 4/1 Channels
- Simplex Operation
- Record Quality: Low, Standard, High, Very High
- Min. File Size: 5kb
- 120 fps Max Recording Rate: 30 fps: GV-EM130DD
- Removable HD
- Compact Flash Slot
- Audio Recording: 1 in / 1 out
- Motion Detection
- Ethernet 10/100 base T

Accessories

ADDITIONAL HARD DRIVES

GV-160GB, 160GB Fixed Hard Drive
GV-250GB, 250GB Fixed Hard Drive
GV-500GB, 500GB Fixed Hard Drive

GV-EM412CASE
- Compatible with all GV-EM series DVRs
- Metal case with anti-vibration mount
- Hardware for pole mount
- Security lock and key included

GV-EM412MPV
- Portable external viewer/controller
- Compatible only with GV-EM412M RS-232 Port
- Jog/Shuttle
- 5.5" LCD screen
- 9 ft Cable included

GV-EM412MKT-80
- 80 GB hard drive included
- One GV-EM412M
- One GV-EM412MPV

- GV-EM130DD is also available in 4 Channel and with 120ips recording speed at 360 x 240 as GV-EM412M. This unit comes pre-installed in GV-EM412CASE
- All DVRs in this series are also available with 80Gb Hard Drive as GV-EM130DD-80, GV-EM412DD-80, GV-EM412M-80

DVR

Specifications

DVR Type	GV-EM412DD: 4 Ch Video	GV-EM130DD: 1 Ch Video
Operating System	Embedded OS	Embedded OS
Storage: Internal	160Gb	160Gb
Storage: Internal Capacity	750Gb	750Gb
Storage: External	Compact Flash Slot	Compact Flash Slot
Video Input	4	1
Video Output	Main, S-Video	Main, S-Video
Video Display Modes	Single, Quad, Sequential	Single
Compression Rate	Low 5-10Kb, Standard 10-15Kb	Low 5-10Kb, Standard 10-15Kb
	High 15-20Kb, Very High 20-24Kb	High 15-20Kb, Very High 20-24Kb
Audio Input	1	1
Audio Output	1	1
Recording Modes	Schedule, Continuous, Alarm	Schedule, Continuous, Alarm
	Post Alarm	Post Alarm
Recording Speeds	1-8, 16, 30	1-8, 16, 30
Recording Resolution	720x480, 360x240	720x480, 360x240
Search	Jog Shuttle - Backward/Forward	Jog Shuttle - Backward/Forward
	x2, x4, x16, x32, x256, x1024,	x2, x4, x16, x32, x256, x1024,
	x8192, frame	x8192, frame
Special Features	Motion Detection + Sensitivity	Motion Detection + Sensitivity
	Heartbeat, POS,	Heartbeat, POS,
	Image Difference Store Method	Image Difference Store Method
Connector: Rear	4 BNC Inputs, S-Video	1 BNC Input, S-Video
Connector: Video	Monitor out-BNC	Monitor out-BNC
Connector: Audio	1 RCA Input/1 RCA Output	1 RCA Input/1 RCA Output
Connector: Alarm	Input/Relay	Input/Relay
Connector: Communication	RS-232	RS-232
Connector: Network	RJ-45	RJ-45
Network	10/100 Base T	10/100 Base T
	DHCP, Static, DDNS	DHCP, Static, DDNS
Backup	Compact Flash	Compact Flash
Alarm Input	4	4
Alarm Output	1, Relay	1, Relay
OSD	Yes	Yes
Remote Viewer	Yes	Yes
Operating Temp.	32º ~ 104º F (HD dependent) / 0ºC – 40ºC.	32º ~ 104º F (HD dependent) / (0ºC – 40ºC)
Operating Humidity	85% Max	85% Max
Power Source	12 Vdc, 4.5 Amps	12 Vdc, 4.5 Amps
Controls	Camera 1-4, Quad, Alarm, Menu	REC, Reverse, Pause, Play
	PWR, Jog shuttle, Playback,	Alarm, OSD, PWR, Menu
	Rewind, FWD, F-FWD, Escape, Enter	Jog Shuttle
Physical Specificaton	6.3" x 9.8" x 3.5" (WxDxH)	6.3" x 9.8" x 3.5" (WxDxH)
Weight	7.1lb	7.3lb

SRV-960A
Real Time Recorder

DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: cml@segind.com.br

The SRV-960A is a real time and time lapse videocassette recorder that can record color or monochrome video signals. Featuring multiple recording and playback methods, this VCR can be programmed to record in multiple modes, dates and times.

The multiple recording densities allow a high video capture rate, more than what is found in a standard time lapse recorder. With up to 30 hour audio recording, alarm recording, power loss memory and record check, this recorder serves as the basis for recording and used in most small surveillance systems.

Additional features include a built-in time/date generator, repeat recording, one shot recording and jog shuttle control. The SRV-960A delivers 300 lines of resolution in color and over 350 lines of resolution in monochrome recording.

SRV-960A

Real Time Recorder

DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
Fone/Fax: (41) 3287-1364 ou 4063-9687
home page: www.segind.com.br
e-mail: cml@segind.com.br

Features

- Real/Time Lapse VCR
- Recording Speeds: 6/18/30/72/120/168/240/480/960Hrs
- Color 300/BW 350 TV Lines Resolution
- Three Audio Recording Modes
- Jog/Shuttle Dial
- Built-In Time/Date Generator
- Super Clear and Natural Picture
- Timer Program Recording (Ten)
- Repeat, One Shot, Series and Alarm recording
- Power Loss Memory Function
- Record Check Function
- (OSD) On Screen Display

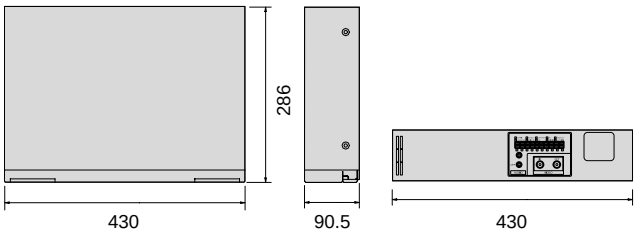
Accessories

GV-FR1819, VCR LOCK BOX

This tamper proof, lightweight, all aluminium VCR box has a hinged front door and a removable rear panel for easy installation. The enclosure is key locked. This lock box can accommodate most popular VCR and multiplexer combination. The vented side panels mean that, in most cases a blower unit is not required.

Body: All aluminum, gauge 12, alloy # 3105H14
Cover: Hinged, key locked / Finish: Black polyurethane coating / Weight: 11lb (5kg)
Dimensions: (HxWxD) 6.0" x 18.50" x 17.0" / 152 x 470 x 432mm

Dimensions (unit : mm)



Front/Rear Panel

Specifications

Picture	Resolution	300 Color/350 BW TV lines
Video	Recording Method	Rotation Head Azimuth Type
	REC/PB Speeds	6H/18H/30H/72H/120H/168H/240H/ 480H/960H/000H
Input		1 Channel, (1Vp-p unbalanced, 75 ohm)
	Output	1 Channel, (1Vp-p unbalanced, 75 ohm)
	Signal/Noise	Above 43db
Audio	Recording Mode	L6, L18, L30H
	Input	1 Channel, -8db
	Output	1 Channel, -8db
	Signal/Noise	Above 40db
Tape Speed		11.12mm/sec (L6Hr Mode)
Tape	Front	Loading
	Applicable Video Tapes	T-30, T-60, T-90, T-120, T-160
Recording System		Manual/Program/Alarm/Series REC/ Repeat REC/1-Shot
System	Modes	NTSC
Controls	Jog/Shuttle	
		Playback/Rec/Stop/Eject
		Slow/Still/Fast Rewind & Forwarding
		Fwd/Rev Search
Connector Rear	Video	2 BNC Input/Outputs (Composite),
	Audio	2 RCA Input/Outputs
	Alarm	In/Out/Reset/Gnd
	Series	In/Out/Gnd
	Tape End	Out
	Trigger	Out
Operating Temperature		41º ~ 104º F (5º ~ 40º C)
Operating Humidity		Below 80%
Power Source		120VAC, 60Hz
Power Consumption		16W
Physical Specifications	Dimension (W x H x D)	16.93" x 3.56" x 12.26" (430 x 90.5 x 311.5mm)
	Weight	9.48lbs./4.3Kg
Certifications	UL, FCC, IC	

LEGAL

Warranty / Terms And Conditions

WARRANTY:

GVI Security, Inc. (dba Samsung CCTV) warrants all Samsung CCTV products to be free from defect in material or workmanship, and will remedy any such defect according to the terms of this Limited Warranty. All Samsung CCTV products are warranted for a period of TWO YEARS with the exception of DVR hard drives, VCR heads/assemblies, and all "Do It Yourself" Surveillance Systems, which are warranted for ONE YEAR.

Samsung CCTV at its discretion*, will replace or credit any defective component(s) of Samsung CCTV products at no charge for a period of 120 days from date of invoice.

Beyond 120 days Samsung CCTV will repair at no charge, any defective component(s) of Samsung CCTV products for the initial twenty four (24) months from the date of invoice except for DVR hard drives and VCR heads, which are warranted for a period of twelve (12) months from date of invoice. Only Samsung SHR 2000/4000 series DVR's are warranted for a period of 3 years from date of invoice including with their original hard drive. If the unit is field upgraded with other hard drives the SHR DVR will still have a 3 year limited warranty.

*The following requirements must be followed in full or warranty service and/or shipments will not be honored.

To make request for credit, replacement or claim for service under this Limited Warranty the original purchaser must obtain a Return Authorization Number (RA#) from Samsung CCTV and return the Samsung CCTV product, shipping prepaid, in the original shipping container (or equivalent) assuming the risk of loss or damage in transit. The assigned RA# must be clearly marked on the outside of the shipping container, and all original power cords, software, manuals, etc. must be included. A written receipt/invoice for the Samsung CCTV product, showing the date of purchase, dealer's name, and both the model and serial numbers of this product must accompany any request for credit, replacement, or claim for work to be performed under this Limited Warranty. Samsung CCTV RA# will be honored domestically for 30 days and internationally for 45 days from date of issue.

This Limited Warranty shall not apply if the product has damage due to abuse, misuse, misapplication, accident, or as a result of service or modification by any other than an authorized Samsung CCTV Service Center. If a product is returned to Samsung CCTV for replacement or repair and no problem is found the purchaser will be billed a $50.00 fee for inspection as well as all associated freight charges. Any product that is returned to Samsung CCTV for replacement or credit without all original power cords, software CDs, manuals, etc. will be charged a 25% restocking fee and only receive partial credit.

THERE ARE NO EXPRESS WARRANTIES OTHER THAN THOSE ON THE FACE HERE OF AND DESCRIBED ABOVE. NO WARRANTIES WHETHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, SHALL EXTEND BEYOND THE RESPECTIVE WARRANTY

PERIOD DESCRIBED ABOVE. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.

Samsung CCTV SHALL NOT BE RESPONSIBLE OF LIABLE FOR ANY SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OR LOSS ARISING FROM THE USE OF THIS PRODUCT. Some states do not allow the exclusion or limitation or incidental or consequential damages, so the above exclusion may not apply to you. Additional information on obtaining service under Limited Warranty is available by contacting the Samsung CCTV dealer from whom the product was purchased or by contacting Samsung CCTV directly at 888-595-2288 or 972-245-7353.

This Limited Warranty applies to all Samsung CCTV products. However, the procedure for obtaining service may vary outside the continental United States. Contact your Samsung CCTV dealer for such warranty service information. This warranty gives you specific legal rights, and you may also have other rights, which vary from state to state.

TERMS & CONDITIONS

Governing Terms & Conditions: Sales of the security video surveillance products by GVI Security, Inc. dba Samsung CCTV (the company) are made only to the company's authorized dealers/distributors on the company's standard terms & conditions of sales, which are set forth herein ("the terms and conditions"). These terms and conditions may be modified or supplemented only by written documents separately signed by the company's authorized personnel at its headquarters in Carrollton, Texas. Any terms and conditions contained in any purchase order or other form used by dealer/distributor to order a CCTV product which are different from, in addition to, or in any way inconsistent with these terms and conditions shall be of no force or effect whatsoever.

Products: The company reserves the right from time to time, to add or discontinue any product from those offered for sale by the company or to modify the specifications of any product without notice to the dealer/distributor.

Acceptance of Order: Salespersons or any other representatives of the company are only authorized to solicit orders from dealers/distributors and have no authority to accept orders on behalf of the company. All orders become effective only if, and when approved and accepted in writing by the company by the issuance of its order acknowledgement. The company reserves the right to refuse any order.

Change or Cancellation of Accepted Order: Dealer/distributor may not change or cancel an accepted order without the prior written consent of the company. Cancellations accepted by the company will be conditioned on the payment by the dealer/distributor if the company's cancellation charges in accordance with the company's cancellation policy in effect at the time of cancellation.

Price: Unless otherwise specified in the company's order acknowledgement or a written quotation from the company to the dealer/distributor each order is accepted subject to the following: All prices, quotations, shipments and deliveries by the company are F.O.B. Carrollton, Texas / All prices are subject to change without notice / Price in effect at the time of the order is placed / All transportation and other delivery costs are for the account of the dealer/distributor

Taxes: The purchase price for a product does not include any taxes, which may be applicable to the purchase, sale, value, use and transportation of the product. The dealer/distributor agrees to pay such taxes or alternatively to reimburse the company upon demand for any such taxes which the company is liable for the collection of payment. Dealer/distributor may, in lieu, of such payment provide to the company, evidence of the issue of tax exemption certificate acceptable to the appropriate taxing authority.

Delivery Title and Risk: Unless otherwise specified in the company's acknowledgment, the company reserves the right to ship all or any part of the product specified in any accepted order. Title to the products shall pass to the dealer/distributor and the dealer/distributor shall assume all risk and liability for loss, damage or destruction to such products after delivery to the carrier. If dealer/distributor should receive delivery of any product in damaged condition or should a shortage occur, dealer/distributor shall report such damage or shortage to the delivery carrier and to the company within 48 business hours of receipt of goods by dealer/distributor. Any loss or shortage occasioned by damage occurring in transit will be for the account of dealer/distributor. Unless otherwise mutually agreed upon in writing, shipping dates are approximate and the company shall not incur any obligation or liability to the dealer/distributor for failure to ship by the estimated shipping date or any other date. The company reserves the right to ship the products in a single or multiple shipments.

Force Majeure: If the company's performance of its obligations under any accepted order is delayed or made impossible or commercially impractical due to any cause beyond the company's reasonable control (including, without limitation, acts of God, labor disputes, compliance with government regulations, equipment failure, shortages in transportation, inability to obtain necessary materials/products, defects or delays in performance by company's suppliers or requirements of testing or product approval authorities) the company shall have such reasonable additional time within which to perform the accepted order as may be reasonably necessary under the circumstances. In the event that the company is unable to obtain sufficient products to meet all demands from customers, the company shall have the right to allocate delivers to it's customers in any manner which the company may, in its sole discretion, determine to be equitable.

Payment: The dealer/distributor shall make payment of the purchase price for the products in full to the company within the payment and credit terms granted by the company. The company reserves the right at any time to require the dealer/distributor to provide satisfactory security for the due payment of the purchase price for the products in addition to the security interest reserved pursuant to the "Security" section. Failure to provide such security will entitle the company to hold further shipment until such security is provided or to cancel the accepted order or so much of it as remains unfilled.

Security: The company reserves, until payment in full for the products is received, a purchase money security interest in all products sold to the dealer/distributor under each accepted order. A copy of the dealer/distributor contract with the company may be filed as a financing statement with the appropriate state authorities to protect the company's security interest in the products.

Default: If the dealer/distributor fails to make payment in full for the products within the time period set forth above or within the time period expressly agreed upon in writing by the parties, such failure to pay on time constitutes a material breach of contact by the dealer/distributor permitting the company to suspend delivery under any accepted order or other contact between the dealer/distributor and the company. The dealer/distributor shall pay to the company an added service charge of 1 ½% per month (or the legal maximum allowed in the dealer/distributor's state) on all delinquent invoices or portion thereof until paid. In the event that the company is required to take legal action, dealer/distributor shall pay all collection fees and/or attorney's fees plus any court costs.

Guarantor: The company may from time to time require a third party guarantor to guarantee payment of the company's invoices submitted to the dealer/distributor under the terms of an accepted order. The guarantor shall agree to pay outstanding invoices within the agreed payment terms for the accepted order and in addition a service charge of 1 ½% per month or the legal maximum allowed in the dealer/distributor's state) on all delinquent invoices or portion thereof until paid. In the event that the company is required to take legal action, including the use of a collection agency to collect past due amounts, the guarantor shall pay all collection fees and/or attorney's fees plus any court costs.

Returns: Authorizations and instructions for the return of any product must be obtained by dealer/distributor before returning any product for any reason. The product must be returned with complete identification, freight prepaid and in accordance with the company's most current return policies and procedures or it will not be accepted. For a copy of the most current returns policies and procedures call GVI Security, Inc. dba Samsung Service Center at 1-888-595-2288. All items returned for credit are subject to inspection upon receipt and a restocking charge. In no event will the company be responsible for any product returned without proper authorization or identification.

Installation and Service: Advice, Assistance, or Training: The company assumes no obligation or liability for any advice, technical assistance or training provided by the company to the dealer/distributor with respect to products, or for any results occurring as a result of the application of such advice, technical assistance, or training and the dealer/distributor shall have sole responsibility for selection and specification of the products appropriate for the end use of such products and for the proper installation and servicing of such products.

Waiver: Waiver by the company of any breach of any of the terms and conditions shall not be construed as a waiver of any other breach, and the failure by the company to exercise any right arising from any default of dealer/distributor hereunder shall not be deemed to be a waiver of such right, which may be exercised at any subsequent time.

Patents: The company shall indemnify and save dealer/distributor harmless from any judgment for damages and/or costs which may be rendered against dealer/distributor in any suite brought against dealer/distributor on account of the infringement of any U.S. patent by any product supplies by the company providing that the dealer/distributor promptly notifies the company of the commencement of any suit and authorizes the company to settle or defend such suit at the company may see fit and provided further that dealer/distributor renders every reasonable assistance which the company may require in defending such suit.

Assignment: Dealer/distributor shall not assign its rights or delegate its duties, responsibilities or obligations arising under any accepted order, in whole or in part without the prior written consent of the company. Any actual or attempted assignment without the company's prior written consent shall entitle the company to cancel such accepted order upon written notice to dealer/distributor.

Termination: Company may terminate any accepted order or part thereof for any reason at the company's convenience upon written notice to dealer/distributor. Dealer/distributor hereby waives all claims for consequential damages resulting from or relating to such termination, including, without limitation, any lost products or loss of anticipated profits and to accept as its sole remedy for termination the reasonable additional costs of obtaining substitute goods of the same quantity and quality as the products provided that in no event shall such costs exceed the price of the accepted order or part thereof so terminated as stated on the company's acknowledgement. Any claim for adjustment not submitted within sixty (60) days from the date of such termination shall be deemed to have been waived by dealer/distributor.

Governing Law: These terms and conditions and each accepted order shall be governed by the law of the State of Texas without regard to Texas principles or rules of conflicts of laws that might require the applicant of the law of another jurisdiction.

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DISTRIBUIDOR AUTORIZADO:
SEGURANÇA INDUSTRIAL EQUIPAMENTOS
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home page: www.segind.com.br
e-mail: cml@segind.com.br